EUROPEAN PATENT OFFICE

U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1737

DATE: MAY 1, 2025

PROJECT RP11804

The following classification changes will be effected by this Notice of Changes:

Action	Subclass	Group(s)
SCHEME:		
Symbols Deleted:	C10M	2290/02, 2290/026
Symbols Deleted Pending Reclassification: (frozen (F))	C10M	1/00, 1/08
	C10M	3/00
	C10M	5/00
	C10M	7/00
Symbols New:	C10N	2040/29, 2040/291, 2040/292
Titles Changed:	C10M	SUBCLASS
	C10M	2215/08, 2215/086
	C10N	2050/10
Indents Changed:	C10M	2215/26, 2215/265, 2215/28, 2215/285, 2215/30, 2215/305
Warnings Modified:	C10M	SUBCLASS
Warnings New:	C10M	1/00, 1/08
	C10M	3/00
	C10M	5/00
	C10M	7/00
	C10M	101/00
	C10M	103/00
	C10M	105/00
	C10M	107/00
	C10M	109/00
	C10M	111/00
	C10M	113/00
	C10M	115/00
	C10M	117/00
	C10M	119/00
	C10M	121/00

	C10M	123/00
	C10M	125/00
	C10M	127/00
	C10M	129/00
	C10M	131/00
	C10M	133/00
	C10M	135/00
	C10M	137/00
	C10M	139/00
	C10M	141/00
	C10M	143/00
	C10M	145/00
	C10M	147/00
	C10M	149/00
	C10M	151/00
	C10M	153/00
	C10M	155/00
	C10M	157/00
	C10M	159/00
	C10M	161/00
	C10M	163/00
	C10M	165/00
	C10M	167/00
	C10M	169/00
	C10M	171/00
	C10M	173/00
	C10M	175/00
	C10M	177/00
	C10N	2050/10
Notes Deleted:	C10M	2209/108, 2209/109
Notes New:	C10M	2201/00
	C10M	2209/00
	C10M	2213/00
	C10M	2217/00
	C10M	2221/00
	C10M	2225/00
	C10M	2229/00
Notes Modified:	C10M	SUBCLASS

DATE: MAY 1, 2025

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	C10M	2205/00
Guidance Headings Deleted:	C10M	1/00
DEFINITIONS:		
Definitions New:	C10M	2201/00
	C10M	2203/00
	C10M	2205/00
	C10M	2207/00
	C10M	2209/104
	C10M	2211/00
	C10M	2213/00
	C10M	2213/06
	C10M	2215/00
	C10M	2217/00
	C10M	2219/00
	C10M	2221/00
	C10M	2223/00
	C10M	2225/00
	C10M	2227/00
	C10M	2229/00
Definition Modified:	C10M	SUBCLASS
	C10M	169/00
	C10M	2209/00

No other subclasses/groups are impacted by this Notice of Changes.

1. CLASSIFICATION SCHEME CHANGES

☒ A. New, Modified or Deleted Group(s)

☒ B. New, Modified or Deleted Warning(s)

☒ C. New, Modified or Deleted Note(s)

☒ D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

☒ A. New or Modified Definitions (Full definition template)

☐ B. Modified or Deleted Definitions (Definitions Quick Fix)

3. ☒ REVISION CONCORDANCE LIST (RCL)

4. ☒ CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5. ☐ CHANGES TO THE CROSS-REFERENCE LIST (CRL)

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS C10M - LUBRICATING COMPOSITIONS; USE OF CHEMICAL SUBSTANCES EITHER ALONE OR AS LUBRICATING INGREDIENTS IN A LUBRICATING COMPOSITION

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
M	C10M	Subclass	LUBRICATING COMPOSITIONS (well drilling compositions C09K8/02); USE OF CHEMICAL SUBSTANCES EITHER ALONE OR AS LUBRICATING INGREDIENTS IN A LUBRICATING COMPOSITION (mould release, i.e. separating, agents for metals B22C3/00, for plastics or substances in a plastic state, in general B29C33/56, for glass C03B40/02; textile lubricating compositions D06M 11/00, D06M 13/00, D06M15/00; immersion oils for microscopy G02B21/33)	
F	C10M1/00	0	{Liquid compositions essentially based on mineral lubricating oils or fatty oils; Their use as lubricants}	C10M101/00, C10M101/02, C10M101/025, C10M101/04, C10M103/00, C10M103/02, C10M103/04, C10M103/06, C10M105/00, C10M105/02, C10M105/04, C10M105/06, C10M105/08, C10M105/10, C10M105/12, C10M105/14, C10M105/16, C10M105/18, C10M105/20, C10M105/22, C10M105/24, C10M105/26, C10M105/28, C10M105/30, C10M105/32, C10M105/34, C10M105/36, C10M105/38, C10M105/40, C10M105/42, C10M105/44, C10M105/46, C10M105/48, C10M105/50,

				C10M105/52, C10M105/525, C10M105/54, C10M105/56, C10M105/58, C10M105/60, C10M105/62, C10M105/64, C10M105/66, C10M105/68, C10M105/70, C10M105/72, C10M105/74, C10M105/76, C10M105/78, C10M105/80, C10M107/00, C10M107/02, C10M107/04, C10M107/06, C10M107/08, C10M107/10, C10M107/12, C10M107/14, C10M107/16, C10M107/18, C10M107/20, C10M107/22, C10M107/24, C10M107/26, C10M107/28, C10M107/30, C10M107/32, C10M107/34, C10M107/36, C10M107/38, C10M107/40, C10M107/42, C10M107/44, C10M107/46, C10M107/48, C10M107/50, C10M107/52, C10M107/54, C10M109/00, C10M109/02, C10M111/00, C10M111/02, C10M111/04, C10M111/06, C10M113/00, C10M113/02, C10M113/04, C10M113/06, C10M113/08, C10M113/10, C10M113/12, C10M113/14, C10M113/16, C10M115/00, C10M115/02, C10M115/04, C10M115/06, C10M115/08, C10M115/10, C10M115/12, C10M117/00, C10M117/02, C10M117/04, C10M117/06, C10M117/08, C10M117/10, C10M119/00, C10M119/02, C10M119/04, C10M119/06, C10M119/08, C10M119/10, C10M119/12, C10M119/14, C10M119/16, C10M119/18, C10M119/20, C10M119/22, C10M119/24, C10M119/26, C10M119/28, C10M119/30, C10M121/00, C10M121/02, C10M121/04, C10M123/00,

				C10M123/02, C10M123/04, C10M123/06, C10M125/00, C10M125/02, C10M125/04, C10M125/06, C10M125/08, C10M125/10, C10M125/12, C10M125/14, C10M125/16, C10M125/18, C10M125/20, C10M125/22, C10M125/24, C10M125/26, C10M125/28, C10M125/30, C10M127/00, C10M127/02, C10M127/04, C10M127/06, C10M129/00, C10M129/02, C10M129/04, C10M129/06, C10M129/08, C10M129/10, C10M129/12, C10M129/14, C10M129/16, C10M129/18, C10M129/20, C10M129/22, C10M129/24, C10M129/26, C10M129/28, C10M129/30, C10M129/32, C10M129/34, C10M129/36, C10M129/38, C10M129/40, C10M129/42, C10M129/44, C10M129/46, C10M129/48, C10M129/50, C10M129/52, C10M129/54, C10M129/56, C10M129/58, C10M129/60, C10M129/62, C10M129/64, C10M129/66, C10M129/68, C10M129/70, C10M129/72, C10M129/74, C10M129/76, C10M129/78, C10M129/80, C10M129/82, C10M129/84, C10M129/86, C10M129/88, C10M129/90, C10M129/91, C10M129/92, C10M129/93, C10M129/94, C10M129/95, C10M131/00, C10M131/02, C10M131/04, C10M131/06, C10M131/08, C10M131/10, C10M131/12, C10M131/14, C10M133/00, C10M133/02, C10M133/04, C10M133/06, C10M133/08, C10M133/10, C10M133/12, C10M133/14, C10M133/16, C10M133/18,

				C10M133/20, C10M133/22, C10M133/24, C10M133/26, C10M133/28, C10M133/30, C10M133/32, C10M133/34, C10M133/36, C10M133/38, C10M133/40, C10M133/42, C10M133/44, C10M133/46, C10M133/48, C10M133/50, C10M133/52, C10M133/54, C10M133/56, C10M133/58, C10M135/00, C10M135/02, C10M135/04, C10M135/06, C10M135/08, C10M135/10, C10M135/12, C10M135/14, C10M135/16, C10M135/18, C10M135/20, C10M135/22, C10M135/24, C10M135/26, C10M135/28, C10M135/30, C10M135/32, C10M135/34, C10M135/36, C10M137/00, C10M137/02, C10M137/04, C10M137/06, C10M137/08, C10M137/10, C10M137/105, C10M137/12, C10M137/14, C10M137/16, C10M139/00, C10M139/02, C10M139/04, C10M139/06, C10M141/00, C10M141/02, C10M141/04, C10M141/06, C10M141/08, C10M141/10, C10M141/12, C10M143/00, C10M143/02, C10M143/04, C10M143/06, C10M143/08, C10M143/10, C10M143/12, C10M143/14, C10M143/16, C10M143/18, C10M145/00, C10M145/02, C10M145/04, C10M145/06, C10M145/08, C10M145/10, C10M145/12, C10M145/14, C10M145/16, C10M145/18, C10M145/20, C10M145/22, C10M145/24, C10M145/26, C10M145/28, C10M145/30, C10M145/32, C10M145/34, C10M145/36, C10M145/38, C10M145/40, C10M147/00,

				C10M147/02, C10M147/04, C10M149/00, C10M149/02, C10M149/04, C10M149/06, C10M149/08, C10M149/10, C10M149/12, C10M149/14, C10M149/16, C10M149/18, C10M149/20, C10M149/22, C10M151/00, C10M151/02, C10M151/04, C10M153/00, C10M153/02, C10M153/04, C10M155/00, C10M155/02, C10M155/04, C10M157/00, C10M157/02, C10M157/04, C10M157/06, C10M157/08, C10M157/10, C10M159/00, C10M159/005, C10M159/02, C10M159/04, C10M159/06, C10M159/08, C10M159/10, C10M159/12, C10M159/123, C10M159/126, C10M159/14, C10M159/16, C10M159/18, C10M159/20, C10M159/22, C10M159/24, C10M161/00, C10M163/00, C10M165/00, C10M167/00, C10M169/00, C10M169/02, C10M169/04, C10M169/041, C10M169/042, C10M169/044, C10M169/045, C10M169/047, C10M169/048, C10M169/06, C10M171/00, C10M171/001, C10M171/002, C10M171/004, C10M171/005, C10M171/007, C10M171/008, C10M171/02, C10M171/04, C10M171/06, C10M173/00, C10M173/02, C10M173/025, C10M175/00, C10M175/0008, C10M175/0016, C10M175/0025, C10M175/0033, C10M175/0041, C10M175/005, C10M175/0058, C10M175/0066, C10M175/0075, C10M175/0083, C10M175/0091, C10M175/02, C10M175/04, C10M175/06, C10M177/00
F	C10M1/08	1	{with additives}	C10M101/00, C10M101/02, C10M101/025, C10M101/04,

				C10M103/00, C10M103/02, C10M103/04, C10M103/06, C10M105/00, C10M105/02, C10M105/04, C10M105/06, C10M105/08, C10M105/10, C10M105/12, C10M105/14, C10M105/16, C10M105/18, C10M105/20, C10M105/22, C10M105/24, C10M105/26, C10M105/28, C10M105/30, C10M105/32, C10M105/34, C10M105/36, C10M105/38, C10M105/40, C10M105/42, C10M105/44, C10M105/46, C10M105/48, C10M105/50, C10M105/52, C10M105/525, C10M105/54, C10M105/56, C10M105/58, C10M105/60, C10M105/62, C10M105/64, C10M105/66, C10M105/68, C10M105/70, C10M105/72, C10M105/74, C10M105/76, C10M105/78, C10M105/80, C10M107/00, C10M107/02, C10M107/04, C10M107/06, C10M107/08, C10M107/10, C10M107/12, C10M107/14, C10M107/16, C10M107/18, C10M107/20, C10M107/22, C10M107/24, C10M107/26, C10M107/28, C10M107/30, C10M107/32, C10M107/34, C10M107/36, C10M107/38, C10M107/40, C10M107/42, C10M107/44, C10M107/46, C10M107/48, C10M107/50, C10M107/52, C10M107/54, C10M109/00, C10M109/02, C10M111/00, C10M111/02, C10M111/04, C10M111/06, C10M113/00, C10M113/02, C10M113/04, C10M113/06, C10M113/08, C10M113/10, C10M113/12, C10M113/14, C10M113/16, C10M115/00, C10M115/02, C10M115/04,

				C10M115/06, C10M115/08, C10M115/10, C10M115/12, C10M117/00, C10M117/02, C10M117/04, C10M117/06, C10M117/08, C10M117/10, C10M119/00, C10M119/02, C10M119/04, C10M119/06, C10M119/08, C10M119/10, C10M119/12, C10M119/14, C10M119/16, C10M119/18, C10M119/20, C10M119/22, C10M119/24, C10M119/26, C10M119/28, C10M119/30, C10M121/00, C10M121/02, C10M121/04, C10M123/00, C10M123/02, C10M123/04, C10M123/06, C10M125/00, C10M125/02, C10M125/04, C10M125/06, C10M125/08, C10M125/10, C10M125/12, C10M125/14, C10M125/16, C10M125/18, C10M125/20, C10M125/22, C10M125/24, C10M125/26, C10M125/28, C10M125/30, C10M127/00, C10M127/02, C10M127/04, C10M127/06, C10M129/00, C10M129/02, C10M129/04, C10M129/06, C10M129/08, C10M129/10, C10M129/12, C10M129/14, C10M129/16, C10M129/18, C10M129/20, C10M129/22, C10M129/24, C10M129/26, C10M129/28, C10M129/30, C10M129/32, C10M129/34, C10M129/36, C10M129/38, C10M129/40, C10M129/42, C10M129/44, C10M129/46, C10M129/48, C10M129/50, C10M129/52, C10M129/54, C10M129/56, C10M129/58, C10M129/60, C10M129/62, C10M129/64, C10M129/66, C10M129/68, C10M129/70, C10M129/72, C10M129/74, C10M129/76,

				C10M129/78, C10M129/80,
				C10M129/82, C10M129/84,
				C10M129/86, C10M129/88,
				C10M129/90, C10M129/91,
				C10M129/92, C10M129/93,
				C10M129/94, C10M129/95,
				C10M131/00, C10M131/02,
				C10M131/04, C10M131/06,
				C10M131/08, C10M131/10,
				C10M131/12, C10M131/14,
				C10M133/00, C10M133/02,
				C10M133/04, C10M133/06,
				C10M133/08, C10M133/10,
				C10M133/12, C10M133/14,
				C10M133/16, C10M133/18,
				C10M133/20, C10M133/22,
				C10M133/24, C10M133/26,
				C10M133/28, C10M133/30,
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				C10M133/48, C10M133/50,
				C10M133/52, C10M133/54,
				C10M133/56, C10M133/58,
				C10M135/00, C10M135/02,
				C10M135/04, C10M135/06,
				C10M135/08, C10M135/10,
				C10M135/12, C10M135/14,
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				C10M135/28, C10M135/30,
				C10M135/32, C10M135/34,
				C10M135/36, C10M137/00,
				C10M137/02, C10M137/04,
				C10M137/06, C10M137/08,
				C10M137/10, C10M137/105,
				C10M137/12, C10M137/14,
				C10M137/16, C10M139/00,
				C10M139/02, C10M139/04,
				C10M139/06, C10M141/00,
				C10M141/02, C10M141/04,
				C10M141/06, C10M141/08,
				C10M141/10, C10M141/12,
				C10M143/00, C10M143/02,

				C10M143/04, C10M143/06, C10M143/08, C10M143/10, C10M143/12, C10M143/14, C10M143/16, C10M143/18, C10M145/00, C10M145/02, C10M145/04, C10M145/06, C10M145/08, C10M145/10, C10M145/12, C10M145/14, C10M145/16, C10M145/18, C10M145/20, C10M145/22, C10M145/24, C10M145/26, C10M145/28, C10M145/30, C10M145/32, C10M145/34, C10M145/36, C10M145/38, C10M145/40, C10M147/00, C10M147/02, C10M147/04, C10M149/00, C10M149/02, C10M149/04, C10M149/06, C10M149/08, C10M149/10, C10M149/12, C10M149/14, C10M149/16, C10M149/18, C10M149/20, C10M149/22, C10M151/00, C10M151/02, C10M151/04, C10M153/00, C10M153/02, C10M153/04, C10M155/00, C10M155/02, C10M155/04, C10M157/00, C10M157/02, C10M157/04, C10M157/06, C10M157/08, C10M157/10, C10M159/00, C10M159/005, C10M159/02, C10M159/04, C10M159/06, C10M159/08, C10M159/10, C10M159/12, C10M159/123, C10M159/126, C10M159/14, C10M159/16, C10M159/18, C10M159/20, C10M159/22, C10M159/24, C10M161/00, C10M163/00, C10M165/00, C10M167/00, C10M169/00, C10M169/02, C10M169/04, C10M169/041, C10M169/042, C10M169/044, C10M169/045, C10M169/047, C10M169/048, C10M169/06, C10M171/00, C10M171/001, C10M171/002,

				C10M171/004, C10M171/005, C10M171/007, C10M171/008, C10M171/02, C10M171/04, C10M171/06, C10M173/00, C10M173/02, C10M173/025, C10M175/00, C10M175/0008, C10M175/0016, C10M175/0025, C10M175/0033, C10M175/0041, C10M175/005, C10M175/0058, C10M175/0066, C10M175/0075, C10M175/0083, C10M175/0091, C10M175/02, C10M175/04, C10M175/06, C10M177/00
F	C10M3/00	0	{Liquid compositions essentially based on lubricating components other than mineral lubricating oils or fatty oils and their use as lubricants; Use as lubricants of single liquid substances (compositions in general essentially based on macromolecular compounds C08L)}	C10M101/00, C10M101/02, C10M101/025, C10M101/04, C10M103/00, C10M103/02, C10M103/04, C10M103/06, C10M105/00, C10M105/02, C10M105/04, C10M105/06, C10M105/08, C10M105/10, C10M105/12, C10M105/14, C10M105/16, C10M105/18, C10M105/20, C10M105/22, C10M105/24, C10M105/26, C10M105/28, C10M105/30, C10M105/32, C10M105/34, C10M105/36, C10M105/38, C10M105/40, C10M105/42, C10M105/44, C10M105/46, C10M105/48, C10M105/50, C10M105/52, C10M105/525, C10M105/54, C10M105/56, C10M105/58, C10M105/60, C10M105/62, C10M105/64, C10M105/66, C10M105/68, C10M105/70, C10M105/72, C10M105/74, C10M105/76, C10M105/78, C10M105/80, C10M107/00, C10M107/02, C10M107/04, C10M107/06, C10M107/08, C10M107/10, C10M107/12, C10M107/14, C10M107/16, C10M107/18, C10M107/20, C10M107/22, C10M107/24, C10M107/26, C10M107/28, C10M107/30,

				C10M107/32, C10M107/34, C10M107/36, C10M107/38, C10M107/40, C10M107/42, C10M107/44, C10M107/46, C10M107/48, C10M107/50, C10M107/52, C10M107/54, C10M109/00, C10M109/02, C10M111/00, C10M111/02, C10M111/04, C10M111/06, C10M113/00, C10M113/02, C10M113/04, C10M113/06, C10M113/08, C10M113/10, C10M113/12, C10M113/14, C10M113/16, C10M115/00, C10M115/02, C10M115/04, C10M115/06, C10M115/08, C10M115/10, C10M115/12, C10M117/00, C10M117/02, C10M117/04, C10M117/06, C10M117/08, C10M117/10, C10M119/00, C10M119/02, C10M119/04, C10M119/06, C10M119/08, C10M119/10, C10M119/12, C10M119/14, C10M119/16, C10M119/18, C10M119/20, C10M119/22, C10M119/24, C10M119/26, C10M119/28, C10M119/30, C10M121/00, C10M121/02, C10M121/04, C10M123/00, C10M123/02, C10M123/04, C10M123/06, C10M125/00, C10M125/02, C10M125/04, C10M125/06, C10M125/08, C10M125/10, C10M125/12, C10M125/14, C10M125/16, C10M125/18, C10M125/20, C10M125/22, C10M125/24, C10M125/26, C10M125/28, C10M125/30, C10M127/00, C10M127/02, C10M127/04, C10M127/06, C10M129/00, C10M129/02, C10M129/04, C10M129/06, C10M129/08, C10M129/10, C10M129/12, C10M129/14, C10M129/16,

				C10M129/18, C10M129/20, C10M129/22, C10M129/24, C10M129/26, C10M129/28, C10M129/30, C10M129/32, C10M129/34, C10M129/36, C10M129/38, C10M129/40, C10M129/42, C10M129/44, C10M129/46, C10M129/48, C10M129/50, C10M129/52, C10M129/54, C10M129/56, C10M129/58, C10M129/60, C10M129/62, C10M129/64, C10M129/66, C10M129/68, C10M129/70, C10M129/72, C10M129/74, C10M129/76, C10M129/78, C10M129/80, C10M129/82, C10M129/84, C10M129/86, C10M129/88, C10M129/90, C10M129/91, C10M129/92, C10M129/93, C10M129/94, C10M129/95, C10M131/00, C10M131/02, C10M131/04, C10M131/06, C10M131/08, C10M131/10, C10M131/12, C10M131/14, C10M133/00, C10M133/02, C10M133/04, C10M133/06, C10M133/08, C10M133/10, C10M133/12, C10M133/14, C10M133/16, C10M133/18, C10M133/20, C10M133/22, C10M133/24, C10M133/26, C10M133/28, C10M133/30, C10M133/32, C10M133/34, C10M133/36, C10M133/38, C10M133/40, C10M133/42, C10M133/44, C10M133/46, C10M133/48, C10M133/50, C10M133/52, C10M133/54, C10M133/56, C10M133/58, C10M135/00, C10M135/02, C10M135/04, C10M135/06, C10M135/08, C10M135/10, C10M135/12, C10M135/14, C10M135/16, C10M135/18, C10M135/20, C10M135/22,

				C10M159/04, C10M159/06, C10M159/08, C10M159/10, C10M159/12, C10M159/123, C10M159/126, C10M159/14, C10M159/16, C10M159/18, C10M159/20, C10M159/22, C10M159/24, C10M161/00, C10M163/00, C10M165/00, C10M167/00, C10M169/00, C10M169/02, C10M169/04, C10M169/041, C10M169/042, C10M169/044, C10M169/045, C10M169/047, C10M169/048, C10M169/06, C10M171/00, C10M171/001, C10M171/002, C10M171/004, C10M171/005, C10M171/007, C10M171/008, C10M171/02, C10M171/04, C10M171/06, C10M173/00, C10M173/02, C10M173/025, C10M175/00, C10M175/0008, C10M175/0016, C10M175/0025, C10M175/0033, C10M175/0041, C10M175/005, C10M175/0058, C10M175/0066, C10M175/0075, C10M175/0083, C10M175/0091, C10M175/02, C10M175/04, C10M175/06, C10M177/00
F	C10M5/00	0	{Solid or semi-solid compositions containing as the essential lubricating ingredient mineral lubricating oils or fatty oils and their use}	C10M101/00, C10M101/02, C10M101/025, C10M101/04, C10M103/00, C10M103/02, C10M103/04, C10M103/06, C10M105/00, C10M105/02, C10M105/04, C10M105/06, C10M105/08, C10M105/10, C10M105/12, C10M105/14, C10M105/16, C10M105/18, C10M105/20, C10M105/22, C10M105/24, C10M105/26, C10M105/28, C10M105/30, C10M105/32, C10M105/34, C10M105/36, C10M105/38, C10M105/40, C10M105/42, C10M105/44, C10M105/46, C10M105/48, C10M105/50, C10M105/52, C10M105/525,

				C10M105/54, C10M105/56, C10M105/58, C10M105/60, C10M105/62, C10M105/64, C10M105/66, C10M105/68, C10M105/70, C10M105/72, C10M105/74, C10M105/76, C10M105/78, C10M105/80, C10M107/00, C10M107/02, C10M107/04, C10M107/06, C10M107/08, C10M107/10, C10M107/12, C10M107/14, C10M107/16, C10M107/18, C10M107/20, C10M107/22, C10M107/24, C10M107/26, C10M107/28, C10M107/30, C10M107/32, C10M107/34, C10M107/36, C10M107/38, C10M107/40, C10M107/42, C10M107/44, C10M107/46, C10M107/48, C10M107/50, C10M107/52, C10M107/54, C10M109/00, C10M109/02, C10M111/00, C10M111/02, C10M111/04, C10M111/06, C10M113/00, C10M113/02, C10M113/04, C10M113/06, C10M113/08, C10M113/10, C10M113/12, C10M113/14, C10M113/16, C10M115/00, C10M115/02, C10M115/04, C10M115/06, C10M115/08, C10M115/10, C10M115/12, C10M117/00, C10M117/02, C10M117/04, C10M117/06, C10M117/08, C10M117/10, C10M119/00, C10M119/02, C10M119/04, C10M119/06, C10M119/08, C10M119/10, C10M119/12, C10M119/14, C10M119/16, C10M119/18, C10M119/20, C10M119/22, C10M119/24, C10M119/26, C10M119/28, C10M119/30, C10M121/00, C10M121/02, C10M121/04, C10M123/00, C10M123/02, C10M123/04,

				C10M123/06, C10M125/00, C10M125/02, C10M125/04, C10M125/06, C10M125/08, C10M125/10, C10M125/12, C10M125/14, C10M125/16, C10M125/18, C10M125/20, C10M125/22, C10M125/24, C10M125/26, C10M125/28, C10M125/30, C10M127/00, C10M127/02, C10M127/04, C10M127/06, C10M129/00, C10M129/02, C10M129/04, C10M129/06, C10M129/08, C10M129/10, C10M129/12, C10M129/14, C10M129/16, C10M129/18, C10M129/20, C10M129/22, C10M129/24, C10M129/26, C10M129/28, C10M129/30, C10M129/32, C10M129/34, C10M129/36, C10M129/38, C10M129/40, C10M129/42, C10M129/44, C10M129/46, C10M129/48, C10M129/50, C10M129/52, C10M129/54, C10M129/56, C10M129/58, C10M129/60, C10M129/62, C10M129/64, C10M129/66, C10M129/68, C10M129/70, C10M129/72, C10M129/74, C10M129/76, C10M129/78, C10M129/80, C10M129/82, C10M129/84, C10M129/86, C10M129/88, C10M129/90, C10M129/91, C10M129/92, C10M129/93, C10M129/94, C10M129/95, C10M131/00, C10M131/02, C10M131/04, C10M131/06, C10M131/08, C10M131/10, C10M131/12, C10M131/14, C10M133/00, C10M133/02, C10M133/04, C10M133/06, C10M133/08, C10M133/10, C10M133/12, C10M133/14, C10M133/16, C10M133/18, C10M133/20, C10M133/22,

				C10M133/24, C10M133/26, C10M133/28, C10M133/30, C10M133/32, C10M133/34, C10M133/36, C10M133/38, C10M133/40, C10M133/42, C10M133/44, C10M133/46, C10M133/48, C10M133/50, C10M133/52, C10M133/54, C10M133/56, C10M133/58, C10M135/00, C10M135/02, C10M135/04, C10M135/06, C10M135/08, C10M135/10, C10M135/12, C10M135/14, C10M135/16, C10M135/18, C10M135/20, C10M135/22, C10M135/24, C10M135/26, C10M135/28, C10M135/30, C10M135/32, C10M135/34, C10M135/36, C10M137/00, C10M137/02, C10M137/04, C10M137/06, C10M137/08, C10M137/10, C10M137/105, C10M137/12, C10M137/14, C10M137/16, C10M139/00, C10M139/02, C10M139/04, C10M139/06, C10M141/00, C10M141/02, C10M141/04, C10M141/06, C10M141/08, C10M141/10, C10M141/12, C10M143/00, C10M143/02, C10M143/04, C10M143/06, C10M143/08, C10M143/10, C10M143/12, C10M143/14, C10M143/16, C10M143/18, C10M145/00, C10M145/02, C10M145/04, C10M145/06, C10M145/08, C10M145/10, C10M145/12, C10M145/14, C10M145/16, C10M145/18, C10M145/20, C10M145/22, C10M145/24, C10M145/26, C10M145/28, C10M145/30, C10M145/32, C10M145/34, C10M145/36, C10M145/38, C10M145/40, C10M147/00, C10M147/02, C10M147/04,

				C10M149/00, C10M149/02, C10M149/04, C10M149/06, C10M149/08, C10M149/10, C10M149/12, C10M149/14, C10M149/16, C10M149/18, C10M149/20, C10M149/22, C10M151/00, C10M151/02, C10M151/04, C10M153/00, C10M153/02, C10M153/04, C10M155/00, C10M155/02, C10M155/04, C10M157/00, C10M157/02, C10M157/04, C10M157/06, C10M157/08, C10M157/10, C10M159/00, C10M159/005, C10M159/02, C10M159/04, C10M159/06, C10M159/08, C10M159/10, C10M159/12, C10M159/123, C10M159/126, C10M159/14, C10M159/16, C10M159/18, C10M159/20, C10M159/22, C10M159/24, C10M161/00, C10M163/00, C10M165/00, C10M167/00, C10M169/00, C10M169/02, C10M169/04, C10M169/041, C10M169/042, C10M169/044, C10M169/045, C10M169/047, C10M169/048, C10M169/06, C10M171/00, C10M171/001, C10M171/002, C10M171/004, C10M171/005, C10M171/007, C10M171/008, C10M171/02, C10M171/04, C10M171/06, C10M173/00, C10M173/02, C10M173/025, C10M175/00, C10M175/0008, C10M175/0016, C10M175/0025, C10M175/0033, C10M175/0041, C10M175/005, C10M175/0058, C10M175/0066, C10M175/0075, C10M175/0083, C10M175/0091, C10M175/02, C10M175/04, C10M175/06, C10M177/00, C10N2050/10
F	C10M7/00	0	{Solid or semi-solid compositions essentially based on lubricating	C10M101/00, C10M101/02, C10M101/025, C10M101/04,

| | | | | components other than mineral lubricating oils or fatty oils and their use as lubricants; Use as lubricants of single solid or semi-solid substances (compositions in general essentially based on macromolecular compounds C08L)} | C10M103/00, C10M103/02, C10M103/04, C10M103/06, C10M105/00, C10M105/02, C10M105/04, C10M105/06, C10M105/08, C10M105/10, C10M105/12, C10M105/14, C10M105/16, C10M105/18, C10M105/20, C10M105/22, C10M105/24, C10M105/26, C10M105/28, C10M105/30, C10M105/32, C10M105/34, C10M105/36, C10M105/38, C10M105/40, C10M105/42, C10M105/44, C10M105/46, C10M105/48, C10M105/50, C10M105/52, C10M105/525, C10M105/54, C10M105/56, C10M105/58, C10M105/60, C10M105/62, C10M105/64, C10M105/66, C10M105/68, C10M105/70, C10M105/72, C10M105/74, C10M105/76, C10M105/78, C10M105/80, C10M107/00, C10M107/02, C10M107/04, C10M107/06, C10M107/08, C10M107/10, C10M107/12, C10M107/14, C10M107/16, C10M107/18, C10M107/20, C10M107/22, C10M107/24, C10M107/26, C10M107/28, C10M107/30, C10M107/32, C10M107/34, C10M107/36, C10M107/38, C10M107/40, C10M107/42, C10M107/44, C10M107/46, C10M107/48, C10M107/50, C10M107/52, C10M107/54, C10M109/00, C10M109/02, C10M111/00, C10M111/02, C10M111/04, C10M111/06, C10M113/00, C10M113/02, C10M113/04, C10M113/06, C10M113/08, C10M113/10, C10M113/12, C10M113/14, C10M113/16, C10M115/00, C10M115/02, C10M115/04, |

				C10M115/06, C10M115/08, C10M115/10, C10M115/12, C10M117/00, C10M117/02, C10M117/04, C10M117/06, C10M117/08, C10M117/10, C10M119/00, C10M119/02, C10M119/04, C10M119/06, C10M119/08, C10M119/10, C10M119/12, C10M119/14, C10M119/16, C10M119/18, C10M119/20, C10M119/22, C10M119/24, C10M119/26, C10M119/28, C10M119/30, C10M121/00, C10M121/02, C10M121/04, C10M123/00, C10M123/02, C10M123/04, C10M123/06, C10M125/00, C10M125/02, C10M125/04, C10M125/06, C10M125/08, C10M125/10, C10M125/12, C10M125/14, C10M125/16, C10M125/18, C10M125/20, C10M125/22, C10M125/24, C10M125/26, C10M125/28, C10M125/30, C10M127/00, C10M127/02, C10M127/04, C10M127/06, C10M129/00, C10M129/02, C10M129/04, C10M129/06, C10M129/08, C10M129/10, C10M129/12, C10M129/14, C10M129/16, C10M129/18, C10M129/20, C10M129/22, C10M129/24, C10M129/26, C10M129/28, C10M129/30, C10M129/32, C10M129/34, C10M129/36, C10M129/38, C10M129/40, C10M129/42, C10M129/44, C10M129/46, C10M129/48, C10M129/50, C10M129/52, C10M129/54, C10M129/56, C10M129/58, C10M129/60, C10M129/62, C10M129/64, C10M129/66, C10M129/68, C10M129/70, C10M129/72, C10M129/74, C10M129/76,

| | | | | C10M129/78, C10M129/80,
C10M129/82, C10M129/84,
C10M129/86, C10M129/88,
C10M129/90, C10M129/91,
C10M129/92, C10M129/93,
C10M129/94, C10M129/95,
C10M131/00, C10M131/02,
C10M131/04, C10M131/06,
C10M131/08, C10M131/10,
C10M131/12, C10M131/14,
C10M133/00, C10M133/02,
C10M133/04, C10M133/06,
C10M133/08, C10M133/10,
C10M133/12, C10M133/14,
C10M133/16, C10M133/18,
C10M133/20, C10M133/22,
C10M133/24, C10M133/26,
C10M133/28, C10M133/30,
C10M133/32, C10M133/34,
C10M133/36, C10M133/38,
C10M133/40, C10M133/42,
C10M133/44, C10M133/46,
C10M133/48, C10M133/50,
C10M133/52, C10M133/54,
C10M133/56, C10M133/58,
C10M135/00, C10M135/02,
C10M135/04, C10M135/06,
C10M135/08, C10M135/10,
C10M135/12, C10M135/14,
C10M135/16, C10M135/18,
C10M135/20, C10M135/22,
C10M135/24, C10M135/26,
C10M135/28, C10M135/30,
C10M135/32, C10M135/34,
C10M135/36, C10M137/00,
C10M137/02, C10M137/04,
C10M137/06, C10M137/08,
C10M137/10, C10M137/105,
C10M137/12, C10M137/14,
C10M137/16, C10M139/00,
C10M139/02, C10M139/04,
C10M139/06, C10M141/00,
C10M141/02, C10M141/04,
C10M141/06, C10M141/08,
C10M141/10, C10M141/12, |

				C10M143/00, C10M143/02, C10M143/04, C10M143/06, C10M143/08, C10M143/10, C10M143/12, C10M143/14, C10M143/16, C10M143/18, C10M145/00, C10M145/02, C10M145/04, C10M145/06, C10M145/08, C10M145/10, C10M145/12, C10M145/14, C10M145/16, C10M145/18, C10M145/20, C10M145/22, C10M145/24, C10M145/26, C10M145/28, C10M145/30, C10M145/32, C10M145/34, C10M145/36, C10M145/38, C10M145/40, C10M147/00, C10M147/02, C10M147/04, C10M149/00, C10M149/02, C10M149/04, C10M149/06, C10M149/08, C10M149/10, C10M149/12, C10M149/14, C10M149/16, C10M149/18, C10M149/20, C10M149/22, C10M151/00, C10M151/02, C10M151/04, C10M153/00, C10M153/02, C10M153/04, C10M155/00, C10M155/02, C10M155/04, C10M157/00, C10M157/02, C10M157/04, C10M157/06, C10M157/08, C10M157/10, C10M159/00, C10M159/005, C10M159/02, C10M159/04, C10M159/06, C10M159/08, C10M159/10, C10M159/12, C10M159/123, C10M159/126, C10M159/14, C10M159/16, C10M159/18, C10M159/20, C10M159/22, C10M159/24, C10M161/00, C10M163/00, C10M165/00, C10M167/00, C10M169/00, C10M169/02, C10M169/04, C10M169/041, C10M169/042, C10M169/044, C10M169/045, C10M169/047, C10M169/048, C10M169/06, C10M171/00,

				C10M171/001, C10M171/002, C10M171/004, C10M171/005, C10M171/007, C10M171/008, C10M171/02, C10M171/04, C10M171/06, C10M173/00, C10M173/02, C10M173/025, C10M175/00, C10M175/0008, C10M175/0016, C10M175/0025, C10M175/0033, C10M175/0041, C10M175/005, C10M175/0058, C10M175/0066, C10M175/0075, C10M175/0083, C10M175/0091, C10M175/02, C10M175/04, C10M175/06, C10M177/00, C10N2050/10
M	C10M2215/08	1	Amides [having hydrocarbon substituents containing less than thirty carbon atoms]	
M	C10M2215/086	1	Imides [having hydrocarbon substituents containing less than thirty carbon atoms]	
U	C10M2215/245	2	used as base material	
M	C10M2215/26	2	Amines	
M	C10M2215/265	3	used as base material	
M	C10M2215/28	2	Amides; Imides	
M	C10M2215/285	3	used as base material	
M	C10M2215/30	2	Heterocyclic compounds	
M	C10M2215/305	3	used as base material	
U	C10M2290/00	0	Mixtures of base materials or thickeners or additives	
D	C10M2290/02	1	Mineral base oils; Mixtures of fractions	<No Transfer>
D	C10M2290/026	1	Fuels	<No Transfer>

DATE: MAY 1, 2025

PROJECT RP11804

SUBCLASS C10N - INDEXING SCHEME ASSOCIATED WITH SUBCLASS C10M RELATING TO LUBRICATING COMPOSITIONS

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title "CPC only" text should normally be enclosed in {curly brackets}**	Transferred to#
U	C10N2040/28	3	Rotary {engines}	
N	C10N2040/29	1	{Hybrid or electric engines}	
N	C10N2040/291	2	{Hybrid engines}	
N	C10N2040/292	2	{Electric engines}	
T	C10N2050/10	1	semi-solid; greasy	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries.   Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T = existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:
- **No {curly brackets} are used for titles in CPC only <u>subclasses</u>, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} <u>are</u> used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required "anchor" symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- "Transferred to" column <u>must</u> be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the "Transferred to" column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: "<administrative transfer to XX>", "<administrative transfer to XX and YY simultaneously>", or "<administrative transfer to XX, YY, ...and ZZ simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be "additional information".

- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations "ADD" or "INV": <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.

- In certain situations, the "D" entries of 2000-series or Y-series groups may not require a destination ("Transferred to") symbol, however it is required to specify "<no transfer>" in the "Transferred to" column for such cases.

- For finalization projects, the deleted "F" symbols should have <no transfer> in the "Transferred to" column.

- For more details about the types of scheme change, see CPC Guide.

B. New, Modified or Deleted Warning notice(s)

SUBCLASS C10M - LUBRICATING COMPOSITIONS; USE OF CHEMICAL SUBSTANCES EITHER ALONE OR AS LUBRICATING INGREDIENTS IN A LUBRICATING COMPOSITION

Type*	Location	Old Warning notice	New/Modified Warning
M	C10M	1. The following groups are no longer used for the classification of new documents from January, 1978: - C10M1/00 - C10M7/00 The backlog of these groups is continuously being reclassified in groups C10M101/00 - C10M177/00. 2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.	{In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.}
N	C10M1/00		Group C10M1/00 is no longer used for the classification of documents as of May 1, 2025. The content of this group is being reclassified into groups C10M101/00 - C10M177/00. Groups C10M1/00 and C10M101/00 - C10M177/00 should be considered in order to perform a complete search.
N	C10M1/08		Group C10M1/08 is no longer used for the classification of documents as of May 1, 2025. The content of this group is being reclassified into groups C10M101/00 - C10M177/00. Groups C10M1/08 and C10M101/00 - C10M177/00 should be considered in order to perform a complete search.
N	C10M3/00		Group C10M3/00 is no longer used for the classification of documents as of May 1, 2025. The content of this group is being reclassified into groups C10M101/00 - C10M177/00. Groups C10M3/00 and C10M101/00 - C10M177/00 should be considered in order to perform a complete search.

N	C10M 5/00		Group C10M 5/00 is no longer used for the classification of documents as of May 1, 2025. The content of this group is being reclassified into groups C10M 101/00 - C10M 177/00 and C10N 2050/10. Groups C10M 5/00, C10M 101/00 - C10M 177/00 and C10N 2050/10 should be considered in order to perform a complete search.
N	C10M 7/00		Group C10M 7/00 is no longer used for the classification of documents as of May 1, 2025. The content of this group is being reclassified into groups C10M 101/00 - C10M 177/00 and C10N 2050/10. Groups C10M 7/00, C10M 101/00 - C10M 177/00 and C10N 2050/10 should be considered in order to perform a complete search.
N	C10M 101/00		Groups C10M 101/00 - C10M 101/04 are incomplete pending reclassification of documents from groups C10M 1/00, C10M 1/08, C10M 3/00, C10M 5/00 and C10M 7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M 103/00		Groups C10M 103/00 - C10M 103/06 are incomplete pending reclassification of documents from groups C10M 1/00, C10M 1/08, C10M 3/00, C10M 5/00 and C10M 7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M 105/00		Groups C10M 105/00 - C10M 105/80 are incomplete pending reclassification of documents from groups C10M 1/00, C10M 1/08, C10M 3/00, C10M 5/00 and C10M 7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M 107/00		Groups C10M 107/00 - C10M 107/54 are incomplete pending reclassification of documents from groups C10M 1/00, C10M 1/08, C10M 3/00, C10M 5/00 and C10M 7/00. All groups listed in this Warning should be considered in order to perform a complete search.

N	C10M109/00		Groups C10M109/00 - C10M109/02 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M111/00		Groups C10M111/00 - C10M111/06 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M113/00		Groups C10M113/00 - C10M113/16 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M115/00		Groups C10M115/00 - C10M115/12 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M117/00		Groups C10M117/00 - C10M117/10 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M119/00		Groups C10M119/00 - C10M119/30 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M121/00		Groups C10M121/00 - C10M121/04 are incomplete pending reclassification of documents from groups C10M1/00,

			C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M123/00		Groups C10M123/00 - C10M123/06 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M125/00		Groups C10M125/00 - C10M125/30 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M127/00		Groups C10M127/00 - C10M127/06 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M129/00		Groups C10M129/00 - C10M129/95 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M131/00		Groups C10M131/00 - C10M131/14 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M133/00		Groups C10M133/00 - C10M133/58 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this

			Warning should be considered in order to perform a complete search.
N	C10M135/00		Groups C10M135/00 - C10M135/36 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M137/00		Groups C10M137/00 - C10M137/16 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M139/00		Groups C10M139/00 - C10M139/06 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M141/00		Groups C10M141/00 - C10M141/12 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M143/00		Groups C10M143/00 - C10M143/18 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M145/00		Groups C10M145/00 - C10M145/40 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.

N	C10M147/00		Groups C10M147/00 - C10M147/04 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M149/00		Groups C10M149/00 - C10M149/22 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M151/00		Groups C10M151/00 - C10M151/04 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M153/00		Groups C10M153/00 - C10M153/04 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M155/00		Groups C10M155/00 - C10M155/04 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M157/00		Groups C10M157/00 - C10M157/10 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M159/00		Groups C10M159/00 - C10M159/24 are incomplete pending reclassification of documents from groups C10M1/00,

			C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M161/00		Group C10M161/00 is incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M163/00		Group C10M163/00 is incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M165/00		Group C10M165/00 is incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M167/00		Group C10M167/00 is incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M169/00		Groups C10M169/00 - C10M169/06 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M171/00		Groups C10M171/00 - C10M171/06 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M173/00		Groups C10M173/00 - C10M173/025 are incomplete pending reclassification of documents from groups C10M1/00,

			C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M175/00		Groups C10M175/00 - C10M175/06 are incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.
N	C10M177/00		Group C10M177/00 is incomplete pending reclassification of documents from groups C10M1/00, C10M1/08, C10M3/00, C10M5/00 and C10M7/00. All groups listed in this Warning should be considered in order to perform a complete search.

SUBCLASS C10N - INDEXING SCHEME ASSOCIATED WITH SUBCLASS C10M RELATING TO LUBRICATING COMPOSITIONS

Type*	Location	Old Warning notice	New/Modified Warning
N	C10N2050/10		Group C10N2050/10 is incomplete pending reclassification of documents from groups C10M 5/00 and C10M 7/00. Groups C10M 5/00, C10M 7/00 and C10N2050/10 should be considered in order to perform a complete search.

*N = new warning, M = modified warning, D = deleted warning

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

C. New, Modified or Deleted Note(s)

SUBCLASS C10M - LUBRICATING COMPOSITIONS; USE OF CHEMICAL SUBSTANCES EITHER ALONE OR AS LUBRICATING INGREDIENTS IN A LUBRICATING COMPOSITION

Type*	Location	Old Note	New/Modified Note
M	C10M	1. In this subclass, the following terms are used with the meanings indicated: • "lubricant" or "lubricating composition" includes cutting oils, hydraulic fluids, metal drawing compositions, flushing oils, slushing oils, or the like; • "aliphatic" includes "cycloaliphatic". 2. In respect of the classification of mixtures, attention is drawn to Note (4) (e) below. 3. In this subclass, in the absence of an indication to the contrary, classification is made in the last appropriate place. Thus, a compound having an aromatic ring is classified as aromatic regardless of whether the substituent(s) of interest are on the ring or on an aliphatic part of the molecule. 4. In this subclass: • metal or ammonium salts of a compound are classified as that compound; • salts or adducts formed between two or more organic compounds are classified according to all compounds forming the	1. In this subclass, the following terms are used with the meanings indicated: • "lubricant" or "lubricating composition" includes cutting oils, hydraulic fluids, metal drawing compositions, flushing oils, slushing oils, or the like; • "aliphatic" includes "cycloaliphatic". 2. In this subclass, in the absence of an indication to the contrary, classification is made in the last appropriate place. Thus, a compound having an aromatic ring is classified as aromatic regardless of whether the substituent(s) of interest are on the ring or on an aliphatic part of the molecule. 3. In this subclass: a. metal or ammonium salts of a compound are classified as that compound; b. salts or adducts formed between two or more organic compounds are classified according to all compounds forming the salt or adduct, if of interest; c. a specified compound, e.g. phenols, acids, substituted by a macromolecular hydrocarbon radical is classified as that compound; d. base-materials or thickeners or additives consisting of a mixture for which no specific main group is provided are classified in the most indented group covering all essential constituents of the mixture, for example, • a base-material mixture of ketone and amide - group C10M105/00; • a base-material mixture of ketone and ether - group C10M105/08;

salt or adduct, if of interest;

- a specified compound, e.g. phenols, acids, substituted by a macromolecular hydrocarbon radical is classified as that compound;
- base-materials or thickeners or additives consisting of a mixture for which no specific main group is provided are classified in the most indented group covering all essential constituents of the mixture, for example,
    - a base-material mixture of ketone and amide - group C10M105/00
    - a base-material mixture of ketone and ether - group C10M105/08
    - an additive mixture of long and short chain esters - group C10M129/00
    - an additive mixture of short chain aliphatic and aromatic carboxylic acids - group C10M129/26;
- except for aqueous lubricating compositions containing more than 10% water, which are classified separately, classification is made according to the type of ingredient or mixture of

- an additive mixture of long and short chain esters - group C10M129/00;
- an additive mixture of short chain aliphatic and aromatic carboxylic acids - group C10M129/26.

e. except for aqueous lubricating compositions containing more than 10% water, which are classified separately, classification is made according to the type of ingredient or mixture of types of ingredients (base-material, thickener or additive) which characterises the composition. Attention is drawn to the fact that a mixture of essential ingredients characterised by only one of its components, rather than by the mixture as a whole, is not classified as a mixture, e.g. a lubricating composition consisting of:

- a known base-material and a new additive is classified only in the "additive" part of the classification scheme;
- a known base-material with both a thickener and a further additive as essential ingredients, which may be individually classified as a mixture of thickener and additive;
- a known base-material with a combination of additives as essential ingredients, which may be individually known or not, is classified in the appropriate place for the additive mixture.

4. Any part of a composition which is not identified by the classification according to Notes (2) or (3) above, and which itself is determined to be novel and non-obvious, must also be classified in the last appropriate place. The part can be either a single ingredient or a composition in itself.

5. Any part of a composition which is not identified by the classification according to Notes (2) to (4) above, and which is

		types of ingredient (base-material, thickener or additive) which characterises the composition. Attention is drawn to the fact that a mixture of essential ingredients characterised by only one of its components, rather than by the mixture as a whole, is not classified as a mixture, e.g. a lubricating composition consisting of: • a known base-material and a new additive is classified only in the "additive" part of the classification scheme; • a known base-material with both a thickener and a further additive as essential ingredients, which may be individually classified as a mixture of thickener and additive; • known base-material with a combination of additives as essential ingredients, which may be individually known or not, is classified in the appropriate place for the additive mixture. 5. In this subclass, it is desirable to add the indexing codes of: • subclass C10M, relating to the chemical	considered to represent information of interest for search, may also be classified in the last appropriate place. This can, for example, be the case when it is considered of interest to enable searching of compositions using a combination of classification symbols. Such non-obligatory classification should be given as "additional information". 6. In this subclass, it is desirable to add the indexing codes of subclass C10N. 7. {In respect of the classification of mixtures, attention is drawn to Note (3)(e) above.} 8. {In this subclass, it is desirable to add the indexing codes of subclass C10M, relating to the chemical constitution of individual compounds of the lubricating compositions.} 9. {In this subclass, combination sets [C-Sets] are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the Definitions for C10M.}

| | | constitution of individual compounds of the lubricating compositions;
 • subclass C10N, relating to physico-chemical aspects of the lubricating compositions or of their compounding ingredients.
 For more information about the way of allocating these indexing codes, see the notes after the titles of the respective subclasses.
 6. In this subclass, until May 2003, indexing codes were added, relating to:
 • each of the essential ingredients of a mixture. However, in the case of an aqueous lubricating composition covered by group C10M173/00, the presence of water is not indicated;
 • each of the essential reactants of a reaction product covered by groups C10M109/02, C10M121/04 or C10M159/12
 The indexing codes, which are chosen from groups C10M101/00 - C10M109/00, C10M113/00 - C10M121/00, C10M125/00 - C10M139/00, C10M143/00 - C10M155/00, C10M159/00 or C10M163/00 - C10M167/00, were given using Combination Sets.
 7. In this subclass, until May 2003, the indexing codes of subclass C10N were added. Documents classified with Combination Sets according to internal Notes 2), 3) and 5) | |

		are in the state of being reclassified according to Note 1).	
N	C10M2201/00		In this group, C-Sets are used. Detailed information about C-Sets construction and the associated syntax rules is found in the Definitions.
M	C10M2205/00	Copolymers are indexed with the symbol for the main monomer always being present, (e.g. C10M 2205/026, C10M 2205/022) according to the last place rule, followed by the symbol of the other monomers, (e.g. C10M 2205/022, C10M 2205/00)	In groups C10M2205/00 - C10M2205/226, C-Sets are used. Detailed information about C-Sets construction and the associated syntax rules is found in the Definitions.
N	C10M2209/00		In groups C10M2209/00 - C10M2209/126, C-Sets are used. Detailed information about C-Sets construction and the associated syntax rules is found in the Definitions.
D	C10M2209/108	When applying indexing code C10M 2209/108, it should be linked to the appropriate code for identifying the alkylene oxide involved, chosen from groups C10M 2209/104 - C10M 2209/107 and by using alpha-numerical order in the combination. Example: C10M 2209/107 + C10M 2209/108	Delete the entire Note.
D	C10M2209/109	When applying indexing code C10M 2209/109, it should be linked to the appropriate code for identifying the alkylene oxide involved, chosen from groups C10M 2209/104 - C10M 2209/107 and by using alpha-numerical order in the combination. Example: C10M 2209/107 + C10M 2209/109	Delete the entire Note.
N	C10M2213/00		In groups C10M2213/00 - C10M2213/0626, C-Sets are used. Detailed information about C-Sets

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			construction and the associated syntax rules is found in the Definitions.
N	C10M2217/00		In groups C10M2217/00 - C10M2217/065, C-Sets are used. Detailed information about C-Sets construction and the associated syntax rules is found in the Definitions.
N	C10M2221/00		In groups C10M2221/00 - C10M2221/043, C-Sets are used. Detailed information about C-Sets construction and the associated syntax rules is found in the Definitions.
N	C10M2225/00		In groups C10M2225/00 - C10M2225/041, C-Sets are used. Detailed information about C-Sets construction and the associated syntax rules is found in the Definitions.
N	C10M2229/00		In groups C10M2229/00 - C10M2229/0545, C-Sets are used. Detailed information about C-Sets construction and the associated syntax rules is found in the Definitions.

*N = new note, M = modified note, D = deleted note

NOTE: The "Location" column only requires the symbol PRIOR to the location of the note. No further directions such as "before" or "after" are required.

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D. New, Modified or Deleted Guidance Heading(s)

SUBCLASS C10M - LUBRICATING COMPOSITIONS; USE OF CHEMICAL SUBSTANCES EITHER ALONE OR AS LUBRICATING INGREDIENTS IN A LUBRICATING COMPOSITION

Type*	Location	Old Guidance Heading	New/Modified Guidance Heading
D	C10M 1/00 - C10M 7/00	IPC3 groups	

*N = new guidance heading, M =modified guidance heading, D = deleted guidance heading

NOTES:
- The "Location" column requires the symbol AFTER the guidance heading location. No further directions such as "before" or "after" are required.
- In cases where there may be confusion as to whether a new group falls within the scope of a guidance heading, indicate the guidance heading and whether the group does or does not go with the guidance heading. This can be included in the "Location" column. For example, the guidance heading "Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen" encompasses groups C07C 301/00-395/00 only. If a new group C07C 398/00 is proposed and is included in the guidance heading scope, indicate this in the "Location" column as follows: 398/00 to be included under the guidance heading: "Compounds containing carbon together with sulfur, selenium or tellurium with or without hydrogen, halogens, oxygen or nitrogen."

2. A. DEFINITIONS (new)

C10M 2201/00

Special rules of classification

C-sets classification:

C-Sets statement: #C10Ma, #C10Mb

Combinations of symbols chosen from C10M, C10N are used in a C-set for classifying a specific ingredient having a specific parameter. A Group III base oil (base oil having a viscosity index of 120 or more and comprising 0.03 % or less sulfur and 90% or more saturates) is classified with C10M 2203/1025, C10N 2020/02.

A specific salt may be indexed by using a combination of symbols chosen from C10M, C10N in a C-set. A neutral calcium sulfonate is classified as (C10M 2219/044, C10N 2010/04).

- In groups C10M2201/00 - C10M2229/0545, characteristics of an ingredient or composition of a salt are classified in the form of C-Sets.

- In #C10Ma, the base symbol, representing an ingredient, is taken from the groups C10M2201/00 - C10M2229/0545, whereas the subsequent symbol(s) representing the characteristics of the ingredient is (are) taken from C10N2020/00 - C10N2020/106, C10N2050/00 - C10N2060/14.

- In #C10Mb, the base symbol, representing the ionic portion of a metal salt, is taken from the groups C10M2201/00 - C10M2229/0545, whereas the subsequent symbol representing the metal is taken from C10N2010/00 - C10N2010/16.

C-Sets syntax rules:

- C-Set of #C10Ma and #C10Mb shall contain at least two symbols.
- Duplicate subsequent symbols are allowed in these C-Sets.
- In these C-Sets the symbols are arranged in alphanumerical order.

C-Sets examples:

- #C10Ma: A Group III base oil (base oil having a viscosity index of 120 or more and comprising 0.03 % or less sulfur and 90% or more saturates) is classified as (C10M 2203/1025, C10N 2020/02).
- #C10Mb: A neutral calcium sulfonate is classified as (C10M 2219/044, C10N 2010/04).

C10M 2203/00

Special rules of classification

C-sets classification:

In this group, C-Sets (#C10Ma, #C10Mb) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C10M 2201/00.

C10M 2205/00

Special rules of classification

C-sets classification:

In this group, C-Sets (#C10Ma, #C10Mb, #C10Mc) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C10M 2201/00 or below.

C-Sets statement: #C10Mc

Combinations of symbols chosen from C10M, C10N are used in a C-set for classifying well-defined polymers. A polymer of ethylene and acrylate may be classified as (C10M 2205/022, C10M 2209/084), using the alphanumerical order.

- In groups C10M2205/00, C10M2209/00, C10M2213/00, C10M2217/00, C10M2221/00, C10M2225/00 and C10M2229/00 polymers of lubricant compositions are classified in the form of C-Sets according to each constituent.

- In #C10Mc, the base symbol is taken from the groups C10M2205/00 - C10M2205/226, C10M2209/00 - C10M2209/126, C10M2213/00 - C10M2213/0626, C10M2217/00 - C10M2217/065, C10M2221/00 - C10M2221/043, C10M2225/00 - C10M2225/041 and C10M2229/00 - C10M2229/0545, whereas the subsequent symbol(s) is (are) taken from C10M2205/00 - C10M2205/226, C10M2209/00 - C10M2209/126, C10M2213/00 - C10M2213/0626, C10M2217/00 - C10M2217/065, C10M2221/00 - C10M2221/043, C10M2225/00 - C10M2225/041 and C10M2229/00 - C10M2229/0545.

C-Sets syntax rules:

- C-Set of #C10Mc shall contain at least two symbols.
- Duplicate subsequent symbols are allowed in these C-Sets.
- In these C-Sets the symbols are arranged in alphanumeric order.

C-Sets examples:

- #C10Mc: A polymer of ethylene and acrylate is classified as (C10M 2205/022, C10M 2209/084).

C10M 2207/00

Special rules of classification

C-sets classification:

In this group, C-Sets (#C10Ma, #C10Mb) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C10M 2201/00.

C10M 2209/104

Special rules of classification

C-sets classification:

C-Sets statement: #C10Md

Combinations of symbols chosen from C10M, C10M are used in a C-set for identifying the alkylene oxide of the polyethers etherified or esterified.

- In #C10Md, the base symbol, representing a type of alkylene oxide, is taken from the groups C10M 2209/104 - C10M 2209/107, whereas the subsequent symbol representing the characteristics of the polyethers etherified or esterified is taken from C10M 2209/108 or C10M 2209/109.

C-Sets syntax rules:

- C-Set of #C10Md shall contain two symbols.
- In these C-Sets the symbols are arranged in alphanumerical order.

C-Sets examples:

- #C10Md: a lubricant composition comprising a nonionic surfactant being a polyalkylene glycol ether is classified as (C10M 2209/104, C10M 2209/108).
- #C10Md: a lubricating oil composition comprising a polyalkylene glycol having the formula farnesol-(C_3H_7O)5-75-H is classified as (C10M 2209/105, C10M 2209/108).
- #C10Md: a lubricant composition comprising an esterified polyalkylene glycol with the following structure $R_1[O(R_2O)_n (R_3O)_m(C=O)R_4]_p$ where R_2 is an oxypropylene moiety and R_3 is an oxybutylene is classified as (C10M 2209/105, C10M 2209/109) and (C10M2209/106, C10M2209/109).

C10M 2211/00

Special rules of classification

C-sets classification:

In this group, C-Sets (#C10Ma, #C10Mb) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C10M 2201/00.

C10M 2213/00

Special rules of classification

C-sets classification:

In this group, C-Sets (#C10Ma, #C10Mb, #C10Mc) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C10M 2201/00 and C10M2205/00.

C10M 2213/06

Definition statement

This place covers:

Substances that are fully fluorinated molecules in which every hydrogen atom bonded to a carbon in the alkane backbone (carbon chain) is replaced by a fluorine atom except for the carbon at one end of the chain that has a charged functional group attached.

C10M 2215/00

Special rules of classification

C-sets classification:

In this group, C-Sets (#C10Ma, #C10Mb) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C10M 2201/00.

C10M 2217/00

Special rules of classification

C-sets classification:

In this group, C-Sets (#C10Ma, #C10Mb, #C10Mc) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C10M 2201/00 and C10M2205/00.

C10M 2219/00

Special rules of classification

C-sets classification:

In this group, C-Sets (#C10Ma, #C10Mb) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C10M 2201/00.

C10M 2221/00

Special rules of classification

C-sets classification:

In this group, C-Sets (#C10Ma, #C10Mb, #C10Mc) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C10M 2201/00 and C10M2205/00.

C10M 2223/00

Special rules of classification

C-sets classification:

In this group, C-Sets (#C10Ma, #C10Mb) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C10M 2201/00.

C10M 2225/00

Special rules of classification

C-sets classification:

In this group, C-Sets (#C10Ma, #C10Mb, #C10Mc) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C10M 2201/00 and C10M2205/00.

C10M 2227/00

Special rules of classification

C-sets classification:

In this group, C-Sets (#C10Ma, #C10Mb) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C10M 2201/00.

C10M 2229/00

Special rules of classification

<u>C-sets classification:</u>

In this group, C-Sets (#C10Ma, #C10Mb, #C10Mc) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C10M 2201/00 and C10M2205/00.

2. A. DEFINITIONS (modified)

C10M

Definition statement

Replace: The existing Definition statement text with the following revised text:

- Lubricant, i.e. a substance introduced to reduce friction between moving surfaces, which may be in the liquid, gaseous or solid form. The lubricating composition may be an emulsion, an aerosol, a grease, a dispersion of solid lubricants, a multi-layer coating or composite material.
- Use of at least one compound as a lubricant or in a lubricating composition.
- Working-up of used lubricants to recover useful products.
- Special method of preparation of lubricating oil compositions. Chemical after-treatment of components or the whole composition.

Lubricating compositions may have three types of essential ingredients: Base-Materials (main ingredient of the lubricating composition), Thickeners (used for preparing grease compositions) and Additives.

Additives are those chemicals used to enhance the performance characteristics of the base material where the additives are normally present in a minor amount of a fully formulated lubricating composition but can be present in a larger amount of an additive concentrate.

Relationships with other classification places

Replace: The existing Relationships section text with the following revised text:

Lubricant compositions specially adapted for certain particular applications (e.g. mould release agents, well-drilling compositions, etc.) are classified in other subclasses – see the References sections below.

The use of known lubricants for relevant purposes is classified in the corresponding place, e.g. the use in harvesters or mowers is classified in A01D 69/12.

Subclass C10N is an indexing subclass associated with this subclass, and is for indexing features that are of interest in disclosures classified in this subclass, e.g. properties, uses or special modifications of lubricating compositions.

References

Limiting references

Replace: The Limiting references table with the following revised table:

Production of hydrocarbon oils from lower carbon number hydrocarbons for lubricating purposes, e.g. by oligomerisation	C10G 50/02

Insert: The following new Application-oriented references section:

Application-oriented references

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Mould release agents for separating metals after moulding	B22C 3/00
Mould release agents for separating plastics or substances in a plastic state, after moulding	B29C 33/56
Mould release agents for separating glass after moulding	C03B 40/02
Well-drilling compositions	C09K 8/02
Treating fibres, threads, yarns, fabrics or fibrous goods made from such materials, with inorganic substances or complexes thereof; Such treatment combined with mechanical treatment, e.g. mercerising	D06M 11/00
Treating fibres, threads, yarns, fabrics or fibrous goods made from such materials, with non-macromolecular organic compounds; Such treatment combined with mechanical treatment	D06M 13/00
Treating fibres, threads, yarns, fabrics, or fibrous goods made from such materials, with macromolecular compounds; Such treatment combined with mechanical treatment	D06M 15/00

Informative references

Delete: The existing text before the table.

Replace: The existing table with the following revised table:

Prevention of sticking, e.g. to backing plates	A21D8/08
Lubricants for medical use	A61
Separation	B01D
Chemical or physical processes, catalysis, colloid chemistry	B01J
Colloidal materials or their solutions	B01J13/00
Cooling, heating or lubricating drawing material	B21C9/00
Mould concrete, shaping clay or other ceramic compositions	B28B7/00
Inorganic chemistry	C01
Purification; Separation; Stabilisation; Use of additives	C07B63/00
Acyclic or carbocyclic compounds	C07C
Heterocyclic compounds	C07D
Acyclic, carbocyclic or heterocyclic compounds containing elements other than carbon, hydrogen, halogen, oxygen, nitrogen, sulfur, selenium or tellurium	C07F
Compounds of unknown constitution	C07G
Sugars; Derivatives thereof; Nucleosides; Nucleotides; Nucleic acids	C07H
Steroids	C07J
Peptides	C07K
Macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds	C08F
Macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds	C08G
Derivatives of natural macromolecular compounds	C08H
Use of inorganic or non-macromolecular organic substances as compounding ingredients	C08K
Compositions of macromolecular compounds	C08L
Emulsifying or dispersing agents	C09K23/00
Treatment of hydrocarbon oils or fatty oils for lubricating purposes, by methods other than cracking, reforming, refining or hydrotreatment	C10G71/00
Liquid carbonaceous fuels comprising additives	C10L1/10
Producing, refining or preserving fats, fatty substances, fatty oils or waxes	C11B
Fatty acids from fats, oils or waxes; fats, oils or fatty acids by chemical modification of fats, oils or fatty acids obtained therefrom	C11C
Detergent compositions	C11D

Coating metallic materials	C23C
Lubrication of machines or engines	F01M
Shafts, elements or crankshaft mechanisms	F16C
Coupling for transmitting	F16D
Pipes or joints	F16L
Lubricating devices, arrangements or systems	F16N
Immersion oils for microscope systems	G02B21/33
Records carriers characterised by the lubricant	G11B5/71
Insulators or insulating bodies mainly consisting of organic substances	H01B3/18

Special rules of classification

Replace: The existing Special rules text with the following revised text:

In the absence of an indication to the contrary a compound is always classified in the last appropriate place.

When only the base material(s) is(are) essential, groups C10M101/00 - C10M111/00 are to be considered.

When only the thickener(s) is(are) essential, groups C10M113/00 - C10M123/00 are relevant.

Compositions comprising essential additive(s) are classified in groups C10M125/00 - C10M167/00.

Mixtures of base-materials, thickeners and additives (at least two of them being essential) are covered by C10M169/00.

Compositions characterized by physical properties should be classified in C10M171/00.

Aqueous compositions (more than 10% water) are in C10M173/00.

Working-up of used lubricants is covered by C10M175/00.

Preparation or after-treatment is covered by C10M177/00.

Symbols chosen from subclass C10M and subclass C10N are mandatory and are used to classify additional information.

Subclass C10M is used to classify each component of the compositions, whether they are essential or not. Each of the components of the mixtures covered by groups C10M111/00, C10M123/00, C10M141/00, C10M157/00, C10M161/00, C10M163/00, C10M165/00, C10M167/00, C10M169/00 should be classified by using the corresponding symbol. In subclass C10M the symbols are listed with respect to their chemical structure (e.g. inorganic compounds, organic hydrocarbons, organic compounds comprising H, C and O, organic compounds comprising N, organic compounds comprising P, or organic compounds comprising other atoms).

Subclass C10N is an indexing subclass associated with this subclass, and is for indexing features that are of interest in disclosures classified in this subclass, e.g. properties, uses or special modifications of lubricating compositions.

The groups C10N2010/00 - C10N2080/00 are used in combination with indexing codes chosen from subgroups C10M2201/00 - C10M2201/18 identifying the chemical nature of the compounds concerned.

Example: C10M2201/084, C10N2010/04: inorganic acids or salts containing sulfur, selenium or tellurium used as ingredients in lubricant compositions and wherein the metal present in the acids or salts is from group II, e.g. Mg, Ca, Ba, Zn, Cd or Hg.

Indexing Codes C10N2020/099 - C10N2020/106 are only used in association with group C10M171/008 to provide information about the specific refrigerant.

Combination sets (C-Sets):

In this subclass, C-Sets classification is applied to the following groups, listed in the table below, if the document discloses a pertinent combination of technical features that cannot be covered by the allocation of a single symbol. The fourth column of the table indicates the place where the detailed information about the C-Sets construction and the associated syntax rules can be found, in the definition section under the "Special rules of classification".

C-SETS ID	BASE SYMBOLS	SUBSEQUENT SYMBOLS	C-SETS FORMULA; LOCATION OF C-SETS RULES
#C10Ma	C10M2201/00 - C10M2229/0545	C10N2020/00 - C10N2020/106, C10N2050/00 - C10N2060/14	(C10M, C10N); characteristic of an ingredient or salt composition, see C10M2201/00
#C10Mb	C10M2201/00 - C10M2229/0545	C10N2010/00 - C10N2010/16	(C10M, C10N); characteristic of salt composition, see C10M2201/00
#C10Mc	C10M2205/00 - C10M2205/226, C10M2209/00 - C10M2209/126, C10M2213/00 - C10M2213/0626, C10M2217/00 - C10M2217/065, C10M2221/00 - C10M2221/043, C10M2225/00 - C10M2225/041 and C10M2229/00 - C10M2229/0545	C10M2205/00 - C10M2205/226, C10M2209/00 - C10M2209/126, C10M2213/00 - C10M2213/0626, C10M2217/00 - C10M2217/065, C10M2221/00 - C10M2221/043, C10M2225/00 - C10M2225/041 and C10M2229/00 - C10M2229/0545	(C10M, C10M); composition of a polymer; see C10M2205/00
#C10Md	C10M2209/104 - C10M2209/107	C10M2209/108, C10M2209/109	(C10M, C10M); identification of the alkylene oxide, see C10M2209/104

The specific C-Sets rule is located at only one place of the base symbol in the section "Special rules of classification" in the definition. If the C-Sets rule is applicable to all groups of a subclass, it is located at the subclass level only. If the same C-Sets rule is applicable to multiple groups or subgroups within the same subclass, the C-Sets rule is placed at the highest group or subgroup of the multiple groups.

Synonyms and Keywords

Replace: The existing text of the Synonyms and Keywords section with the following new preamble and table:

In patent documents, the word/expression in the first column is often used instead of the word/expression in the second column, which is used in the classification scheme of this place:

"Lubricant" or "lubricating composition"	"gear oil", "engine oil", "turbine oil", "electrical oil", "refrigerator oil", "compressor oil", "metal working fluid", "chain oil", "conveyor oil", "cutting oil", "hydraulic fluid", "metal drawing compositions", "flushing oil", "slushing oil", "grease composition", "transmission fluid", "motor oil"
"thickener"	"tackifier"

C10M169/00

Definition statement

Replace: The existing Definition statement text with the following revised text:

Compositions comprising at least 2 different essential ingredients:
- 1 base oil and 1 thickener;
- 1 base oil and 1 additive;
- 1 additive and 1 thickener.

Special rules of classification

Replace: The existing Special rules text with the following revised text:

A mixture comprising a base oil, a thickener and an additive, each of them being essential is classified in C10M169/00. All components should also be classified in groups C10M2201/00 - C10M2229/0545 as appropriate.

C10M2209/00

Insert:　　　　The following new Special rules section:

Special rules of classification

C-sets classification:

In this group, C-Sets (#C10Ma, #C10Mb, #C10Mc) are used. The detailed information about the C-Sets construction and the associated syntax rules are found in the "Special rules of classification" in C10M 2201/00 and C10M2205/00.

3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
F	C10M1/00	C10M101/00, C10M101/02, C10M101/025, C10M101/04, C10M103/00, C10M103/02, C10M103/04, C10M103/06, C10M105/00, C10M105/02, C10M105/04, C10M105/06, C10M105/08, C10M105/10, C10M105/12, C10M105/14, C10M105/16, C10M105/18, C10M105/20, C10M105/22, C10M105/24, C10M105/26, C10M105/28, C10M105/30, C10M105/32, C10M105/34, C10M105/36, C10M105/38, C10M105/40, C10M105/42, C10M105/44, C10M105/46, C10M105/48, C10M105/50, C10M105/52, C10M105/525, C10M105/54, C10M105/56, C10M105/58, C10M105/60, C10M105/62, C10M105/64, C10M105/66, C10M105/68, C10M105/70, C10M105/72, C10M105/74, C10M105/76, C10M105/78, C10M105/80, C10M107/00, C10M107/02, C10M107/04, C10M107/06, C10M107/08, C10M107/10, C10M107/12, C10M107/14, C10M107/16, C10M107/18, C10M107/20, C10M107/22, C10M107/24, C10M107/26, C10M107/28, C10M107/30, C10M107/32, C10M107/34, C10M107/36, C10M107/38, C10M107/40, C10M107/42, C10M107/44, C10M107/46, C10M107/48, C10M107/50, C10M107/52, C10M107/54, C10M109/00, C10M109/02, C10M111/00, C10M111/02, C10M111/04, C10M111/06, C10M113/00, C10M113/02, C10M113/04, C10M113/06, C10M113/08, C10M113/10, C10M113/12, C10M113/14, C10M113/16, C10M115/00, C10M115/02, C10M115/04, C10M115/06, C10M115/08, C10M115/10, C10M115/12, C10M117/00, C10M117/02, C10M117/04, C10M117/06, C10M117/08, C10M117/10, C10M119/00, C10M119/02, C10M119/04, C10M119/06, C10M119/08, C10M119/10, C10M119/12, C10M119/14, C10M119/16, C10M119/18, C10M119/20, C10M119/22, C10M119/24, C10M119/26,

| | | C10M119/28, C10M119/30, C10M121/00, C10M121/02, C10M121/04, C10M123/00, C10M123/02, C10M123/04, C10M123/06, C10M125/00, C10M125/02, C10M125/04, C10M125/06, C10M125/08, C10M125/10, C10M125/12, C10M125/14, C10M125/16, C10M125/18, C10M125/20, C10M125/22, C10M125/24, C10M125/26, C10M125/28, C10M125/30, C10M127/00, C10M127/02, C10M127/04, C10M127/06, C10M129/00, C10M129/02, C10M129/04, C10M129/06, C10M129/08, C10M129/10, C10M129/12, C10M129/14, C10M129/16, C10M129/18, C10M129/20, C10M129/22, C10M129/24, C10M129/26, C10M129/28, C10M129/30, C10M129/32, C10M129/34, C10M129/36, C10M129/38, C10M129/40, C10M129/42, C10M129/44, C10M129/46, C10M129/48, C10M129/50, C10M129/52, C10M129/54, C10M129/56, C10M129/58, C10M129/60, C10M129/62, C10M129/64, C10M129/66, C10M129/68, C10M129/70, C10M129/72, C10M129/74, C10M129/76, C10M129/78, C10M129/80, C10M129/82, C10M129/84, C10M129/86, C10M129/88, C10M129/90, C10M129/91, C10M129/92, C10M129/93, C10M129/94, C10M129/95, C10M131/00, C10M131/02, C10M131/04, C10M131/06, C10M131/08, C10M131/10, C10M131/12, C10M131/14, C10M133/00, C10M133/02, C10M133/04, C10M133/06, C10M133/08, C10M133/10, C10M133/12, C10M133/14, C10M133/16, C10M133/18, C10M133/20, C10M133/22, C10M133/24, C10M133/26, C10M133/28, C10M133/30, C10M133/32, C10M133/34, C10M133/36, C10M133/38, C10M133/40, C10M133/42, C10M133/44, C10M133/46, C10M133/48, C10M133/50, C10M133/52, C10M133/54, C10M133/56, C10M133/58, C10M135/00, C10M135/02, C10M135/04, C10M135/06, C10M135/08, C10M135/10, C10M135/12, C10M135/14, C10M135/16, C10M135/18, C10M135/20, C10M135/22, C10M135/24, C10M135/26, C10M135/28, C10M135/30, C10M135/32, C10M135/34, C10M135/36, C10M137/00, |

| | | C10M137/02, C10M137/04, C10M137/06, C10M137/08, C10M137/10, C10M137/105, C10M137/12, C10M137/14, C10M137/16, C10M139/00, C10M139/02, C10M139/04, C10M139/06, C10M141/00, C10M141/02, C10M141/04, C10M141/06, C10M141/08, C10M141/10, C10M141/12, C10M143/00, C10M143/02, C10M143/04, C10M143/06, C10M143/08, C10M143/10, C10M143/12, C10M143/14, C10M143/16, C10M143/18, C10M145/00, C10M145/02, C10M145/04, C10M145/06, C10M145/08, C10M145/10, C10M145/12, C10M145/14, C10M145/16, C10M145/18, C10M145/20, C10M145/22, C10M145/24, C10M145/26, C10M145/28, C10M145/30, C10M145/32, C10M145/34, C10M145/36, C10M145/38, C10M145/40, C10M147/00, C10M147/02, C10M147/04, C10M149/00, C10M149/02, C10M149/04, C10M149/06, C10M149/08, C10M149/10, C10M149/12, C10M149/14, C10M149/16, C10M149/18, C10M149/20, C10M149/22, C10M151/00, C10M151/02, C10M151/04, C10M153/00, C10M153/02, C10M153/04, C10M155/00, C10M155/02, C10M155/04, C10M157/00, C10M157/02, C10M157/04, C10M157/06, C10M157/08, C10M157/10, C10M159/00, C10M159/005, C10M159/02, C10M159/04, C10M159/06, C10M159/08, C10M159/10, C10M159/12, C10M159/123, C10M159/126, C10M159/14, C10M159/16, C10M159/18, C10M159/20, C10M159/22, C10M159/24, C10M161/00, C10M163/00, C10M165/00, C10M167/00, C10M169/00, C10M169/02, C10M169/04, C10M169/041, C10M169/042, C10M169/044, C10M169/045, C10M169/047, C10M169/048, C10M169/06, C10M171/00, C10M171/001, C10M171/002, C10M171/004, C10M171/005, C10M171/007, C10M171/008, C10M171/02, C10M171/04, C10M171/06, C10M173/00, C10M173/02, C10M173/025, |

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F	C10M1/08	C10M101/00, C10M101/02, C10M101/025, C10M101/04, C10M103/00, C10M103/02, C10M103/04, C10M103/06, C10M105/00, C10M105/02, C10M105/04, C10M105/06, C10M105/08, C10M105/10, C10M105/12, C10M105/14, C10M105/16, C10M105/18, C10M105/20, C10M105/22, C10M105/24, C10M105/26, C10M105/28, C10M105/30, C10M105/32, C10M105/34, C10M105/36, C10M105/38, C10M105/40, C10M105/42, C10M105/44, C10M105/46, C10M105/48, C10M105/50, C10M105/52, C10M105/525, C10M105/54, C10M105/56, C10M105/58, C10M105/60, C10M105/62, C10M105/64, C10M105/66, C10M105/68, C10M105/70, C10M105/72, C10M105/74, C10M105/76, C10M105/78, C10M105/80, C10M107/00, C10M107/02, C10M107/04, C10M107/06, C10M107/08, C10M107/10, C10M107/12, C10M107/14, C10M107/16, C10M107/18, C10M107/20, C10M107/22, C10M107/24, C10M107/26, C10M107/28, C10M107/30, C10M107/32, C10M107/34, C10M107/36, C10M107/38, C10M107/40, C10M107/42, C10M107/44, C10M107/46, C10M107/48, C10M107/50, C10M107/52, C10M107/54, C10M109/00, C10M109/02, C10M111/00, C10M111/02, C10M111/04, C10M111/06, C10M113/00, C10M113/02, C10M113/04, C10M113/06, C10M113/08, C10M113/10, C10M113/12, C10M113/14, C10M113/16, C10M115/00, C10M115/02, C10M115/04, C10M115/06, C10M115/08, C10M115/10, C10M115/12, C10M117/00, C10M117/02, C10M117/04, C10M117/06, C10M117/08, C10M117/10, C10M119/00, C10M119/02, C10M119/04, C10M119/06, C10M119/08,

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| | | C10M133/28, C10M133/30, C10M133/32, C10M133/34, C10M133/36, C10M133/38, C10M133/40, C10M133/42, C10M133/44, C10M133/46, C10M133/48, C10M133/50, C10M133/52, C10M133/54, C10M133/56, C10M133/58, C10M135/00, C10M135/02, C10M135/04, C10M135/06, C10M135/08, C10M135/10, C10M135/12, C10M135/14, C10M135/16, C10M135/18, C10M135/20, C10M135/22, C10M135/24, C10M135/26, C10M135/28, C10M135/30, C10M135/32, C10M135/34, C10M135/36, C10M137/00, C10M137/02, C10M137/04, C10M137/06, C10M137/08, C10M137/10, C10M137/105, C10M137/12, C10M137/14, C10M137/16, C10M139/00, C10M139/02, C10M139/04, C10M139/06, C10M141/00, C10M141/02, C10M141/04, C10M141/06, C10M141/08, C10M141/10, C10M141/12, C10M143/00, C10M143/02, C10M143/04, C10M143/06, C10M143/08, C10M143/10, C10M143/12, C10M143/14, C10M143/16, C10M143/18, C10M145/00, C10M145/02, C10M145/04, C10M145/06, C10M145/08, C10M145/10, C10M145/12, C10M145/14, C10M145/16, C10M145/18, C10M145/20, C10M145/22, C10M145/24, C10M145/26, C10M145/28, C10M145/30, C10M145/32, C10M145/34, C10M145/36, C10M145/38, C10M145/40, C10M147/00, C10M147/02, C10M147/04, C10M149/00, C10M149/02, C10M149/04, C10M149/06, C10M149/08, C10M149/10, C10M149/12, C10M149/14, C10M149/16, C10M149/18, C10M149/20, C10M149/22, C10M151/00, C10M151/02, C10M151/04, C10M153/00, C10M153/02, C10M153/04, C10M155/00, C10M155/02, C10M155/04, C10M157/00, C10M157/02, C10M157/04, C10M157/06, C10M157/08, C10M157/10, C10M159/00, C10M159/005, C10M159/02, C10M159/04, C10M159/06, C10M159/08, C10M159/10, C10M159/12, C10M159/123, C10M159/126, C10M159/14, C10M159/16, C10M159/18, C10M159/20, C10M159/22, C10M159/24, |

		C10M161/00, C10M163/00, C10M165/00, C10M167/00, C10M169/00, C10M169/02, C10M169/04, C10M169/041, C10M169/042, C10M169/044, C10M169/045, C10M169/047, C10M169/048, C10M169/06, C10M171/00, C10M171/001, C10M171/002, C10M171/004, C10M171/005, C10M171/007, C10M171/008, C10M171/02, C10M171/04, C10M171/06, C10M173/00, C10M173/02, C10M173/025, C10M175/00, C10M175/0008, C10M175/0016, C10M175/0025, C10M175/0033, C10M175/0041, C10M175/005, C10M175/0058, C10M175/0066, C10M175/0075, C10M175/0083, C10M175/0091, C10M175/02, C10M175/04, C10M175/06, C10M177/00, C10N2050/10
D	C10M2290/02	<no transfer>
D	C10M2290/026	<no transfer>

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:
- Only C, D, F and Q type entries are included in the table above.
- When multiple symbols are included in the "To" column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: "<administrative transfer to XX>", "<administrative transfer to XX and YY simultaneously>", or "<administrative transfer to XX, YY, ...and ZZ simultaneously>" when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be "additional information".
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations "ADD" or "INV": <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the "D" entries of 2000-series or Y-series groups may not require a destination ("To") symbol, however it is required to specify "<no transfer>" in the "To" column for such cases.
- RCL is not needed for finalization projects.

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

CPC	IPC	Action*
C10M 1/00	CPCONLY	UPDATED
C10M 1/08	CPCONLY	UPDATED
C10M 3/00	CPCONLY	UPDATED
C10M 5/00	CPCONLY	UPDATED
C10M 7/00	CPCONLY	UPDATED
C10M 2290/02		DELETE
C10M 2290/026		DELETE
C10N 2040/29	C10N 40/00	NEW
C10N 2040/291	C10N 40/00	NEW
C10N 2040/292	C10N 40/00	NEW

*Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with "NEW."
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with "UPDATED."
- For a (D) CPC entry or indexing entry complete the Action column with "DELETE." IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with "NEW".
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with "CPCONLY" and complete the action column with "NEW".

NOTES:

- F symbols are not included in the CICL table above.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.