

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 336

DATE: FEBRUARY 1, 2017

PROJECT MP0319

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
Title wording change:	A24B	7/14
	A45D	1/28
	A45D	6/20
	A45D	20/26
	A47L	9/28, 9/2836
	B01D	21/34
	B01J	4/00
	B01J	4/008
	B07C	1/04
	B60R	21/2334
	B65D	83/44
	D01D	1/09
	D01G	23/04
	F01C	20/24
	F01K	1/12, 1/16
	F01K	3/02
	F01K	7/00, 7/04, 7/08, 7/14, 7/165, 7/20, 7/24 7/28
	F01K	13/02
	F01N	3/18, 3/20, 3/22, 3/30
	F04C	14/24
	F04C	28/24
	F15B	11/042, 11/044
	F16F	1/379
	F16H	61/10
	F16N	7/10
	F23H	11/10
	F24B	1/185
	F26B	13/10, 13/12
	F41A	19/04
	F41B	11/721, 11/722, 11/723
Modified Definitions:	F15B	11/042, 11/044

The following subclasses/groups are also impacted by this Notice of Changes: C10J, F22B, G01F, and G01M

This Notice of Changes includes the following [Check the ones included]:

1. CLASSIFICATION SCHEME CHANGES
 - A. New, Modified or Deleted Group(s)
 - B. New, Modified or Deleted Warning Notice(s)

CPC NOTICE OF CHANGES 336

DATE: FEBRUARY 1, 2017

PROJECT MP0319

- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)
- 2. DEFINITIONS (New or Modified)
 - A. DEFINITIONS (Full definition template)
 - B. DEFINITIONS (Definitions Quick Fix)
- 3. REVISION CONCORDANCE LIST (RCL)
- 4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
- 5. CROSS-REFERENCE LIST (CRL)

CPC NOTICE OF CHANGES 336

DATE: FEBRUARY 1, 2017

PROJECT MP0319

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS A24B – MANUFACTURE OR PREPARATION OF TOBACCO FOR SMOKING OR CHEWING; TOBACCO; SNUFF

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	A24B7/14	1	Feeding or control devices for tobacco-cutting apparatus	

SUBCLASS A45D – HAIRDRESSING OR SHAVING EQUIPMENT; MANICURING OR OTHER COSMETIC TREATMENT

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	A45D1/28	1	with means for controlling or indicating the temperature	
M	A45D6/20	1	Devices for controlling the temperature of hair curlers	
M	A45D20/26	2	Guiding the air; Controlling the air quantity	

SUBCLASS A47L – DOMESTIC WASHING OR CLEANING

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	A47L9/28	1	Installation of the electric equipment, e.g. adaptation or attachment to the suction cleaner; Controlling suction cleaners by electric means	
M	A47L9/2836	2	{characterised by the parts which are controlled}	

CPC NOTICE OF CHANGES 336

DATE: FEBRUARY 1, 2017

PROJECT MP0319

SUBCLASS B01D – SEPARATION

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	B01D21/34	2	Controlling the feed distribution; Controlling the liquid level {; Control of process parameters}	

SUBCLASS B01J – CHEMICAL OR PHYSICAL PROCESSES, e.g. CATALYSIS, COLLOID CHEMISTRY; THEIR RELEVANT APPARATUS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	B01J4/00	0	Feed {or outlet} devices; Feed or outlet control devices (feed or outlet devices for pressure vessels B01J 3/02 {; feeding of particles into and evacuation of particles out of the reactor B01J8/0015})	
M	B01J4/008	1	{Feed or outlet control devices}	

SUBCLASS B07C – POSTAL SORTING; SORTING INDIVIDUAL ARTICLES, OR BULK MATERIAL FIT TO BE SORTED PIECE-MEAL, e.g. BY PICKING

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
M	B07C1/04	2	Forming a stream from a bulk; Controlling the stream, e.g. spacing the articles	

CPC NOTICE OF CHANGES 336

DATE: FEBRUARY 1, 2017

PROJECT MP0319

SUBCLASS B60R – VEHICLES, VEHICLE FITTINGS, OR VEHICLE PARTS, NOT OTHERWISE PROVIDED FOR

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	B60R21/2334	5	Expansion control features	

SUBCLASS B65D – CONTAINERS FOR STORAGE OR TRANSPORT OF ARTICLES OR MATERIALS, e.g. BAGS, BARRELS, BOTTLES, BOXES, CANS, CARTONS, CRATES, DRUMS, JARS, TANKS, HOPPERS, FORWARDING CONTAINERS; ACCESSORIES, CLOSURES, OR FITTINGS THEREFOR; PACKAGING ELEMENTS; PACKAGES

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	B65D83/44	2	Valves specially adapted therefor; Regulating devices (filling or discharging means B65D83/42; {pressure regulators releasing propellant inside the container B65D83/663;} pressure relief devices B65D83/70)	

SUBCLASS D01D – MECHANICAL METHODS OR APPARATUS IN THE MANUFACTURE OF ARTIFICIAL FILAMENTS, THREADS, FIBRES, BRISTLES OR RIBBONS

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	D01D1/09	2	Control of pressure, temperature or feeding rate	

CPC NOTICE OF CHANGES 336

DATE: FEBRUARY 1, 2017

PROJECT MP0319

SUBCLASS D01G – PRELIMINARY TREATMENT OF FIBRES, e.g. FOR SPINNING

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	D01G23/04	2	with means for controlling the feed	

SUBCLASS F01C – ROTARY-PISTON OR OSCILLATING-PISTON MACHINES OR ENGINES

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	F01C20/24	1	characterised by using valves for controlling pressure or flow rate, e.g. discharge valves (F01C20/10 takes precedence)	

SUBCLASS F01K – STEAM ENGINE PLANTS; STEAM ACCUMULATORS; ENGINE PLANTS NOT OTHERWISE PROVIDED FOR; ENGINES USING SPECIAL WORKING FLUIDS OR CYCLES

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	F01K1/12	1	Multiple accumulators; Charging, discharging or control specially adapted therefor	
M	F01K1/16	1	Other safety or control means	
M	F01K3/02	1	Use of accumulators and specific engine types; Control thereof	
M	F01K7/00	0	Steam engine plants characterised by the use of specific types of engine (F01K3/02 takes precedence); Plants or engines characterised by their use of special steam systems, cycles or processes (reciprocating-piston engines using uniflow principle F01B17/04); Control means specially adapted for such systems, cycles or processes; Use of withdrawn or exhaust steam for feed-water heating	

CPC NOTICE OF CHANGES 336

DATE: FEBRUARY 1, 2017

PROJECT MP0319

M	F01K7/04	2	Control means specially adapted therefor	
M	F01K7/08	2	Control means specially adapted therefor	
M	F01K7/14	3	Control means specially adapted therefor	
M	F01K7/165	2	{Controlling means specially adapted therefor}	
M	F01K7/20	3	Control means specially adapted therefor	
M	F01K7/24	3	Control or safety means specially adapted therefor	
M	F01K7/28	3	Control means specially adapted therefor	
M	F01K13/02	1	Controlling, e.g. stopping or starting	

SUBCLASS F01N – GAS-FLOW SILENCERS OR EXHAUST APPARATUS FOR MACHINES OR ENGINES IN GENERAL; GAS-FLOW SILENCERS OR EXHAUST APPARATUS FOR INTERNAL COMBUSTION ENGINES

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	F01N3/18	3	characterised by methods of operation; Control	
M	F01N3/20	4	specially adapted for catalytic conversion (F01N3/22 takes precedence) {; Methods of operation or control of catalytic converters}	
M	F01N3/22	4	Control of additional air supply only, e.g. using by-passes or variable air pump drives	
M	F01N3/30	4	Arrangements for supply of additional air (control, e.g. using by-passes or variable air pump drives, F01N3/22)	

SUBCLASS F04C – ROTARY-PISTON, OR OSCILLATING-PISTON, POSITIVE-DISPLACEMENT MACHINES FOR LIQUIDS (engines F03C); ROTARY-PISTON, OR OSCILLATING-PISTON, POSITIVE-DISPLACEMENT PUMPS

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	F04C14/24	1	characterised by using valves controlling pressure or flow rate, e.g. discharge valves {or unloading valves} (F04C14/10 takes precedence)	
M	F04C28/24	1	characterised by using valves controlling pressure or flow rate, e.g. discharge valves {or unloading valves} (F04C28/10 takes precedence)	

CPC NOTICE OF CHANGES 336

DATE: FEBRUARY 1, 2017

PROJECT MP0319

SUBCLASS F15B – SYSTEMS ACTING BY MEANS OF FLUIDS IN GENERAL; FLUID-PRESSURE ACTUATORS, e.g. SERVO-MOTORS; DETAILS OF FLUID-PRESSURE SYSTEMS, NOT OTHERWISE PROVIDED FOR

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	F15B11/042	3	by means in the feed line {, i.e. "meter in" } (F15B11/046, F15B11/05 take precedence)	
M	F15B11/044	3	by means in the return line {, i.e. "meter out" } (F15B11/046, F15B11/05 take precedence)	

SUBCLASS F16F – SPRINGS; SHOCK-ABSORBERS; MEANS FOR DAMPING VIBRATION

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	F16F1/379	2	characterised by arrangements for controlling the spring temperature, e.g. by cooling	

SUBCLASS F16H – GEARING

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	F16H61/10	1	Controlling shift hysteresis	

SUBCLASS F16N – LUBRICATING

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	F16N7/10	2	incorporating manually-operated control means, e.g. spindles	

CPC NOTICE OF CHANGES 336

DATE: FEBRUARY 1, 2017

PROJECT MP0319

SUBCLASS F23H – GRATES

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	F23H11/10	1	with special provision for supply of air from below and for controlling air supply	

SUBCLASS F24B – DOMESTIC STOVES OR RANGES FOR SOLID FUELS

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	F24B1/185	2	with air-handling means, heat exchange means, or additional provisions for convection heating (F24B1/183 takes precedence; component parts or accessories having air-handling means, heat exchange means, or additional provisions for convection heating F24B1/191); Controlling combustion	

SUBCLASS F26B – DRYING SOLID MATERIALS OR OBJECTS BY REMOVING LIQUID THEREFROM

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	F26B13/10	1	Arrangements for feeding, heating or supporting materials; Controlling movement, tension or position of materials (heating processes F26B3/00)	
M	F26B13/12	2	Controlling movement, tension or position of material	

CPC NOTICE OF CHANGES 336

DATE: FEBRUARY 1, 2017

PROJECT MP0319

SUBCLASS F41A – FUNCTIONAL FEATURES OR DETAILS COMMON TO BOTH SMALLARMS AND ORDNANCE, e.g. CANNONS; MOUNTINGS FOR SMALLARMS OR ORDNANCE

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	F41A19/04	2	by controlling the time of release of the firing pin or hammer	

SUBCLASS F41B – WEAPONS FOR PROJECTING MISSILES WITHOUT USE OF EXPLOSIVE OR COMBUSTIBLE PROPELLANT CHARGE; WEAPONS NOT OTHERWISE PROVIDED FOR

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title (new or modified) “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
M	F41B11/721	3	for controlling gas pressure for both firing the projectile and for loading or feeding	
M	F41B11/722	3	for controlling gas pressure for loading or feeding only	
M	F41B11/723	3	for controlling gas pressure for firing the projectile only	

*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; E= 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 subclasses, 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} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. 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 except “D” which requires only a symbol.
- #“Transferred to” column must 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>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

2. A. DEFINITIONS (modified)

F15B11/042

References

Insert: The following new Limiting references section:

Limiting references

This place does not cover:

Servomotor systems for controlling the speed of an output member, the speed depending on the position of the working member	F15B11/046
Servomotor systems specially adapted to maintain constant speed force of an output member	F15B11/05

Informative references

Delete: In the first column, the text shown below:

See also

Replace with: The following text:

Servomotor systems with directional control combined with flow control by regulating in feed line, i.e. meter-in control

DATE: FEBRUARY 1, 2017

PROJECT MP0319

F15B11/044

References

Insert: The following new Limiting references section:

Limiting references

This place does not cover:

Servomotor systems for controlling the speed of an output member, the speed depending on the position of the working member	F15B11/046
Servomotor systems specially adapted to maintain constant speed force of an output member	F15B11/05

Informative references

Delete: In the first column, the text shown below:

See also

Replace with: The following text:

Servomotor systems with directional control combined with flow control by regulating means in return line, i.e. meter-out control

CPC NOTICE OF CHANGES 336

DATE: FEBRUARY 1, 2017

PROJECT MP0319

CROSS-REFERENCE LIST (CRL)

Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
A45D20/24		Limiting references (first row)	<u>Replace:</u> regulating <u>With:</u> controlling
C10J3/50		Informative references (first row)	<u>Replace:</u> regulating <u>With:</u> controlling
F01K1/00		Informative references (second row)	<u>Replace:</u> regulating <u>With:</u> controlling
F01N3/00		Special Rules (paragraph F01N3/05)	<u>Replace:</u> regulation <u>With:</u> control
F01N3/00		Special Rules (paragraph F01N3/22)	<u>Replace:</u> regulation <u>With:</u> control
F22B35/00		Informative references (Regulation or control of steam power plants)	<u>Replace with:</u> Control of steam power plants
G01F23/00		Informative references (second row)	<u>Replace:</u> Regulation <u>With:</u> Controlling
G01M15/00		Definition Statement (paragraph G01M15/10)	<u>Replace:</u> regulating <u>With:</u> controlling

NOTES:

- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions **inside** the project scope will be reflected in the “scheme change” template or one of the “definition” templates.

CPC NOTICE OF CHANGES 336

DATE: FEBRUARY 1, 2017

PROJECT MP0319

- In addition to other changes proposed in the tables above, in the column titled “Referenced subclass or group to be changed,” **referenced** D symbols should indicate an action of “delete” or should indicate a replacement symbol and **referenced** F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.