

CPC**COOPERATIVE PATENT CLASSIFICATION****C11C****FATTY ACIDS FROM FATS, OILS OR WAXES; CANDLES; FATS, OILS OR FATTY ACIDS BY CHEMICAL MODIFICATION OF FATS, OILS, OR FATTY ACIDS OBTAINED THEREFROM****C11C 1/00****Preparation of fatty acids from fats, fatty oils, or waxes; Refining the fatty acids** ([recovery of fatty acids from waste materials C11B 13/00](#))

C11C 1/002

- . {Sources of fatty acids, e.g. natural glycerides, characterised by the nature, the quantities or the distribution of said acids}

C11C 1/005

- . {Splitting up mixtures of fatty acids into their constituents ([processes intended for both fats and fatty acids C11B 7/00](#))}

C11C 1/007

- . {using organic solvents}

C11C 1/02

- . from fats or fatty oils

C11C 1/025

- . . {by saponification and release of fatty acids}

C11C 1/04

- . . by hydrolysis

C11C 1/045

- . . . {using enzymes or microorganisms, living or dead}

C11C 1/06

- . . . using solid catalysts

C11C 1/08

- . Refining

C11C 1/10

- . . by distillation

C11C 1/103

- . . . {after or with the addition of chemicals}

C11C 1/106

- {inert gases or vapors}

C11C 3/00**Fats, oils, or fatty acids by chemical modification of fats, oils, or fatty acids obtained therefrom** ([sulfonated fats or oils C07C 309/62](#); [factice C08H](#); [drying oils C09F](#))

C11C 3/003

- . {by esterification of fatty acids with alcohols ([C11C 3/02 takes precedence](#))}

C11C 3/006

- . {by oxidation}

C11C 3/02

- . by esterification of fatty acids with glycerol

C11C 3/025

- . . {with a stoichiometric excess of glycerol}

C11C 3/04

- . by esterification of fats or fatty oils

C11C 3/06

- . . with glycerol

C11C 3/08

- . . with fatty acids

C11C 3/10

- . . Ester interchange

C11C 3/12

- . by hydrogenation

C11C 3/123

- . . {using catalysts based principally on nickel or derivatives}

C11C 3/126

- . . {using catalysts based principally on other metals or derivatives}

C11C 3/14

- . by isomerisation {(isomerisation induced by hydrogenation [C11C 3/12](#))}

C11C 5/00**Candles**

C11C 5/002

- . {Ingredients}

C11C 5/004

- . . {dyes, pigments; products giving a coloured flame}

- C11C 5/006
 - {wicks, related accessories}
- C11C 5/008
 - {Candles characterised by their form; Composite candles, e.g. candles containing zones of different composition, inclusions, or the like}
- C11C 5/02
 - Apparatus for preparation thereof
- C11C 5/021
 - · {by compressing solid materials in a mould without heating}
- C11C 5/023
 - · {by casting or melting in a mould}
- C11C 5/025
 - · {by dipping a wick in a melt}
- C11C 5/026
 - · {by a continuous process, e.g. by extrusion by conveying a melt together with the wick through a solidification zone}
- C11C 5/028
 - · {by shaping a preform, e.g. forming the butts, trimming}