

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 }