

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

- 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](#))**
- 1/002 . {Sources of fatty acids, e.g. natural glycerides, characterised by the nature, the quantities or the distribution of said acids}
 - 1/005 . {Splitting up mixtures of fatty acids into their constituents (processes intended for both fats and fatty acids [C11B 7/00](#))}
 - 1/007 . {using organic solvents}
 - 1/02 . from fats or fatty oils
 - 1/025 . . {by saponification and release of fatty acids}
 - 1/04 . . by hydrolysis
 - 1/045 . . . {using enzymes or microorganisms, living or dead}
 - 1/06 . . . using solid catalysts
 - 1/08 . Refining
 - 1/10 . . by distillation
 - 1/103 . . . {after or with the addition of chemicals}
 - 1/106 {inert gases or vapors}
- 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](#))**
- 3/003 . {by esterification of fatty acids with alcohols ([C11C 3/02](#) takes precedence)}
 - 3/006 . {by oxidation}
 - 3/02 . by esterification of fatty acids with glycerol
 - 3/025 . . {with a stoichiometric excess of glycerol}
 - 3/04 . by esterification of fats or fatty oils
 - 3/06 . . with glycerol
 - 3/08 . . with fatty acids
 - 3/10 . . Ester interchange
 - 3/12 . by hydrogenation
 - 3/123 . . {using catalysts based principally on nickel or derivatives}
 - 3/126 . . {using catalysts based principally on other metals or derivatives}
 - 3/14 . by isomerisation {(isomerisation induced by hydrogenation [C11C 3/12](#))}
- 5/00 Candles**
- 5/002 . {Ingredients}
 - 5/004 . . {dyes, pigments; products giving a coloured flame}
 - 5/006 . {wicks, related accessories}
 - 5/008 . {Candles characterised by their form; Composite candles, e.g. candles containing zones of different composition, inclusions, or the like}
 - 5/02 . Apparatus for preparation thereof
 - 5/021 . . {by compressing solid materials in a mould without heating}
 - 5/023 . . {by casting or melting in a mould}
 - 5/025 . . {by dipping a wick in a melt}
- 5/026 . . {by a continuous process, e.g. by extrusion by conveying a melt together with the wick through a solidification zone}
- 5/028 . . {by shaping a preform, e.g. forming the butts, trimming}