

CPC COOPERATIVE PATENT CLASSIFICATION

C CHEMISTRY; METALLURGY

(NOTES omitted)

CHEMISTRY

C11 ANIMAL AND VEGETABLE OILS, FATS, FATTY SUBSTANCES AND WAXES; FATTY ACIDS THEREFROM; DETERGENTS; CANDLES ([edible oil or fat compositions A23](#))

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

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