

# CPC COOPERATIVE PATENT CLASSIFICATION

## C CHEMISTRY; METALLURGY

(NOTES omitted)

### CHEMISTRY

#### C11 ANIMAL OR VEGETABLE OILS, FATS, FATTY SUBSTANCES OR WAXES; FATTY ACIDS THEREFROM; DETERGENTS; CANDLES

#### 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

##### WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

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| <p><b>1/00</b> Preparation of fatty acids from fats, fatty oils, or waxes; Refining the fatty acids (recovery of fatty acids from waste materials <a href="#">C11B 13/00</a>)</p> <p>1/002 . {Sources of fatty acids, e.g. natural glycerides, characterised by the nature, the quantities or the distribution of said acids}</p> <p>1/005 . {Splitting up mixtures of fatty acids into their constituents (processes intended for both fats and fatty acids <a href="#">C11B 7/00</a>)}</p> <p>1/007 . {using organic solvents}</p> <p>1/02 . from fats or fatty oils</p> <p>1/025 . . {by saponification and release of fatty acids}</p> <p>1/04 . . by hydrolysis</p> <p>1/045 . . . {using enzymes or microorganisms, living or dead}</p> <p>1/06 . . . using solid catalysts</p> <p>1/08 . Refining</p> <p>1/10 . . by distillation</p> <p>1/103 . . . {after or with the addition of chemicals}</p> <p>1/106 . . . . {inert gases or vapors}</p> <p><b>3/00</b> Fats, oils, or fatty acids by chemical modification of fats, oils, or fatty acids obtained therefrom (sulfonated fats or oils <a href="#">C07C 309/62</a>; factice <a href="#">C08H</a>; drying oils <a href="#">C09F</a>)</p> <p>3/003 . {by esterification of fatty acids with alcohols (<a href="#">C11C 3/02</a> takes precedence)}</p> <p>3/006 . {by oxidation}</p> <p>3/02 . by esterification of fatty acids with glycerol</p> <p>3/025 . . {with a stoichiometric excess of glycerol}</p> <p>3/04 . by esterification of fats or fatty oils</p> <p>3/06 . . with glycerol</p> <p>3/08 . . with fatty acids</p> <p>3/10 . . Ester interchange</p> <p>3/12 . by hydrogenation</p> <p>3/123 . . {using catalysts based principally on nickel or derivatives}</p> <p>3/126 . . {using catalysts based principally on other metals or derivatives}</p> <p>3/14 . by isomerisation {(isomerisation induced by hydrogenation <a href="#">C11C 3/12</a>)}</p> | <p><b>5/00</b> Candles</p> <p>5/002 . {Ingredients}</p> <p>5/004 . . {dyes, pigments; products giving a coloured flame}</p> <p>5/006 . {wicks, related accessories}</p> <p>5/008 . {Candles characterised by their form; Composite candles, e.g. candles containing zones of different composition, inclusions, or the like}</p> <p>5/02 . Apparatus for preparation thereof</p> <p>5/021 . . {by compressing solid materials in a mould without heating}</p> <p>5/023 . . {by casting or melting in a mould}</p> <p>5/025 . . {by dipping a wick in a melt}</p> <p>5/026 . . {by a continuous process, e.g. by extrusion by conveying a melt together with the wick through a solidification zone}</p> <p>5/028 . . {by shaping a preform, e.g. forming the butts, trimming}</p> |
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