

Title (en)

A process for the preparation of detergent compounds

Title (de)

Verfahren zur Herstellung von Tensidverbindungen

Title (fr)

Processus de préparation de composés de détergent

Publication

**EP 2610325 A1 20130703 (EN)**

Application

**EP 11196153 A 20111230**

Priority

EP 11196153 A 20111230

Abstract (en)

The invention concerns a process for the preparation of detergents comprising separating by distillation a Fischer-Tropsch product into a light fraction (A), a first intermediate fraction (B i ) comprising at least 80 wt% C 10 to C 14 hydrocarbons, a second intermediate fraction (B ii ) comprising at least 80 wt% C 14 to C 18 hydrocarbons, and a heavy fraction (C). The fractions (B i ) and (B ii ) are hydrogenated. The hydrogenated first intermediate fraction is distilled into a fraction (B i1 ) comprising at least 80 wt% C 10 to C 13 hydrocarbons and a fraction (B i2 ) comprising at least 80 wt% C 14 hydrocarbons. The hydrogenated second intermediate fraction is distilled into a fraction (B ii1 ) comprising at least 80 wt% C 14 to C 17 hydrocarbons and a fraction (B ii2 ) comprising at least 80 wt% C 18 hydrocarbons. The C 10 to C 13 hydrocarbons and/or the C 14 to C 17 hydrocarbons are converted into detergents.

IPC 8 full level

**C10G 65/04** (2006.01)

CPC (source: EP)

**C10G 65/00** (2013.01); **C10G 65/04** (2013.01); **C10G 71/00** (2013.01)

Citation (applicant)

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- WO 9959942 A1 19991125 - MOBIL OIL CORP [US]
- US 6392109 B1 20020521 - O'REAR DENNIS J [US], et al
- WO 2004074407 A1 20040902 - SHELL INT RESEARCH [NL], et al
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- WO 9934917 A1 19990715 - SHELL INT RESEARCH [NL]
- EP 0206373 W 20020610
- 191 ACS NAT. MEETING DIV. PET. CHEM. SYMP., April 1986 (1986-04-01), pages 13 - 18
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Citation (search report)

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- [Y] EP 2006281 A2 20081224 - PETROQUIMICA ESPANOLA S A PETR [ES]
- [Y] WO 2004058921 A1 20040715 - SHELL INT RESEARCH [NL], et al

Designated contracting state (EPC)

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