

Title (en)

PROCESS FOR THE PREPARATION OF DETERGENT-DISPERSANT AGENTS OF HIGH ALKALI CONTENT FOR LUBRICATING OILS AND PRODUCT OBTAINED

Publication

**EP 0007257 B1 19820714 (FR)**

Application

**EP 79400376 A 19790611**

Priority

FR 7818945 A 19780626

Abstract (en)

[origin: ES481863A1] A process is provided for preparing detergent-dispersant compositions of a TBN of at least about 200, containing at least about 2 percent magnesium, by: (1) sulfurization by sulfur of an alkylphenol in the presence of a magnesium and/or calcium alkylbenzene-sulfonate of a TBN less than or equal to about 150, an alkaline-earth component selected from among lime, mixtures of magnesium oxide and lime, or a magnesium oxide and alkali hydroxide, and an alkylene glycol (2) optionally precarbonation of the resultant mixture by means of CO<sub>2</sub> (3) super-alkalinization and carbonation of the resultant mixture by means of magnesium oxide and possibly lime, CO<sub>2</sub> and alkylene glycol and (4) removal of the excess alkylene glycol. The detergent-dispersant compositions obtained are useful in the improvement of the detergent-dispersant properties of lubricating oils.

IPC 1-7

**C10M 1/38**; **C07F 3/04**

IPC 8 full level

**C07F 3/04** (2006.01); **C10M 141/08** (2006.01); **C10M 159/24** (2006.01); **C10N 10/04** (2006.01); **C10N 30/04** (2006.01); **C10N 30/06** (2006.01); **C10N 40/00** (2006.01); **C10N 40/25** (2006.01); **C10N 70/00** (2006.01)

CPC (source: EP US)

**C10M 159/24** (2013.01 - EP US)

Cited by

GB2126602A; FR2529225A1; EP0101334A3

Designated contracting state (EPC)

AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)

**EP 0007257 A1 19800123**; **EP 0007257 B1 19820714**; AT E1342 T1 19820715; BR 7904003 A 19800325; CA 1122963 A 19820504; DE 2963335 D1 19820902; ES 481863 A1 19800216; FR 2429831 A2 19800125; FR 2429831 B2 19820611; JP H0142998 B2 19890918; JP S555991 A 19800117; MX 5733 E 19840125; US 4302342 A 19811124; ZA 793194 B 19800625

DOCDB simple family (application)

**EP 79400376 A 19790611**; AT 79400376 T 19790611; BR 7904003 A 19790625; CA 330658 A 19790622; DE 2963335 T 19790611; ES 481863 A 19790625; FR 7818945 A 19780626; JP 7979479 A 19790626; MX 810579 U 19790621; US 5008979 A 19790619; ZA 793194 A 19790626