

Title (en)

INDUSTRIAL AND AUTOMOTIVE GREASE AND PROCESS FOR ITS MANUFACTURE

Title (de)

SCHMIERFETT FÜR INDUSTRIELLE UND KFZ-ANWENDUNG SOWIE VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

GRAISSE INDUSTRIELLE ET AUTOMOBILE ET SON PROCÉDÉ DE FABRICATION

Publication

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Application

EP 09830730 A 20091204

Priority

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Abstract (en)

[origin: WO2010065130A1] A lubricating grease composition is disclosed. In one embodiment, the lubricating grease comprises at least one Group I oil, at least one Group II oil, a hydrophilic copolymer, and a soap thickener. The thickener is dispersed into at least one Group I oil during a cooking phase and the at least one Group II oil is introduced during a finishing phase. A method for making a lubricating grease is also disclosed. The method comprises obtaining at least one Group I oil, obtaining at least one Group II oil, obtaining a hydrophilic copolymer, obtaining a soap thickener, and mixing the at least one Group I oil, the least one Group II oil, the polymer and the soap thickener to form a grease wherein the thickener is dispersed into the at least one Group I oil during a cooking phase and at least one Group II oil is introduced during a finishing phase.

IPC 8 full level

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Citation (search report)

- [I] WO 2005090531 A1 20050929 - LUBRIZOL CORP [US]
- [A] EP 0405893 A2 19910102 - EXXON RESEARCH ENGINEERING CO [US]
- [A] CA 996537 A 19760907 - EXXON RESEARCH ENGINEERING CO
- See references of WO 2010065130A1

Cited by

CN106047458A

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