

Title (en)
SYNTHETIC LUBRICATING FLUID.

Title (de)
KÜNSTLICHE SCHMIERMITTEL.

Title (fr)
FLUIDE LUBRIFIANT SYNTHETIQUE.

Publication
EP 0275315 A4 19881024 (EN)

Application
EP 87903906 A 19870610

Priority
JP 13440186 A 19860610

Abstract (en)
[origin: EP0275315A1] This new synthetic lubricating fluid is a cyclohexyl cyclohexane carboxylate compound or its derivative and has the general formula (1) where n is an integer from 0 to 5 (better 1 to 3), m is an integer from 0 to 5 (better 1 to 3) and the sum n+m lies in the range 1 to 10, the R1 are independently hydrogen atoms or 1-8C alkyl groups, the R2 are independently hydrogen atoms or 1-3C alkyl groups. The synthetic lubricating fluid is used for traction drive devices. This synthetic lubricating fluid can be a mixture of the aforementioned cyclohexyl cyclohexane carboxylate compound or its derivative and a branched poly-alpha-olefin (1-70 wt.%, better 1-50 wt.%). The mean molecular weight of the branched poly-alpha-olefin is 500-10000 (better 900-5000).

IPC 1-7
C10M 111/04; **C10N 40/04**

IPC 8 full level
C10M 111/04 (2006.01); **C10M 105/34** (2006.01); **C10N 40/04** (2006.01)

CPC (source: EP)
C10M 105/34 (2013.01); **C10M 107/06** (2013.01); **C10M 107/08** (2013.01); **C10M 107/10** (2013.01); **C10M 111/04** (2013.01); **C10M 2205/00** (2013.01); **C10M 2205/024** (2013.01); **C10M 2205/0245** (2013.01); **C10M 2205/026** (2013.01); **C10M 2205/0265** (2013.01); **C10M 2205/028** (2013.01); **C10M 2205/0285** (2013.01); **C10M 2207/281** (2013.01); **C10M 2207/2815** (2013.01); **C10M 2207/282** (2013.01); **C10M 2207/283** (2013.01); **C10M 2207/2845** (2013.01); **C10M 2207/286** (2013.01); **C10N 2020/01** (2020.05); **C10N 2040/04** (2013.01); **C10N 2040/042** (2020.05); **C10N 2040/044** (2020.05); **C10N 2040/046** (2020.05); **C10N 2040/08** (2013.01)

Citation (search report)
• [X] US 3440894 A 19690429 - HAMMANN WILLIAM C, et al
• [A] FR 2384739 A1 19781020 - BAYER AG [DE]
• [A] US 3803037 A 19740409 - WYGANT J
• See references of WO 8707636A1

Cited by
EP0339088A4; US6372696B1; WO2008112724A3; WO0134738A3

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0275315 A1 19880727; **EP 0275315 A4 19881024**; **EP 0275315 B1 19920311**; CA 1293499 C 19911224; DE 3777375 D1 19920416; JP H0774351 B2 19950809; JP S62290796 A 19871217; WO 8707636 A1 19871217

DOCDB simple family (application)
EP 87903906 A 19870610; CA 538757 A 19870603; DE 3777375 T 19870610; JP 13440186 A 19860610; JP 8700370 W 19870610