

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
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CPC (source: EP)
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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

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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

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