

Title (en)

High-temperature lubricant for the non-cutting hot-forming of metals.

Title (de)

Hochtemperaturschmierstoff für die spanlose Heissumformung von Metallen.

Title (fr)

Lubrifiant haute température pour le formage à chaud de métaux sans perte de matière.

Publication

EP 0164637 A1 19851218 (DE)

Application

EP 85106532 A 19850528

Priority

CH 265184 A 19840530

Abstract (en)

Lubricant is preferably applied in an aqueous dispersion. To prevent coagulation of the solids in the aqueous dispersion on the one hand and to obtain a heat-resistant uniform lubricating film on the other hand, the high-temperature lubricant additionally contains, apart from a solid lubricant, an organic product which decomposes without residue, an inorganic additive of polyphosphate, a boron compound and an alkali metal silicate, and also an organic stabiliser.

Abstract (de)

Hochtemperaturschmierstoff für die spanlose Heissumformung von Metallen, der vorzugsweise Form einer in wässriger Dispersion angewendet wird. Um einerseits ein Koagulieren der Feststoffe in der wässrigen Dispersion zu vermeiden, und andererseits einen temperaturbeständigen gleichmässigen Schmierfilm zu erhalten, enthält der Hochtemperaturschmierstoff neben einem Festschmierstoff einem rückstandsfrei sich zersetzenden organischen Produkt zusätzlich einen anorganischen Zusatz aus Polyphosphat, einer Borverbindung und einem Alkalisilikat, sowie ein organisches Stabilisierungsmittel.

IPC 1-7

C10M 103/00

IPC 8 full level

C10M 103/00 (2006.01); **C10M 103/02** (2006.01); **C10M 107/32** (2006.01); **C10M 125/02** (2006.01); **C10M 125/24** (2006.01); **C10M 125/26** (2006.01); **C10M 143/02** (2006.01); **C10M 143/10** (2006.01); **C10M 145/04** (2006.01); **C10M 145/14** (2006.01); **C10M 145/40** (2006.01); **C10M 165/00** (2006.01); **C10M 173/02** (2006.01); **C10N 30/06** (2006.01); **C10N 40/24** (2006.01)

CPC (source: EP)

C10M 103/00 (2013.01); **C10M 103/02** (2013.01); **C10M 103/06** (2013.01); **C10M 2201/003** (2013.01); **C10M 2201/02** (2013.01); **C10M 2201/0403** (2013.01); **C10M 2201/041** (2013.01); **C10M 2201/0413** (2013.01); **C10M 2201/042** (2013.01); **C10M 2201/0423** (2013.01); **C10M 2201/0433** (2013.01); **C10M 2201/0603** (2013.01); **C10M 2201/0613** (2013.01); **C10M 2201/0623** (2013.01); **C10M 2201/0653** (2013.01); **C10M 2201/0663** (2013.01); **C10M 2201/0803** (2013.01); **C10M 2201/0853** (2013.01); **C10M 2201/0863** (2013.01); **C10M 2201/0873** (2013.01); **C10M 2201/1006** (2013.01); **C10M 2201/102** (2013.01); **C10M 2201/1023** (2013.01); **C10M 2201/103** (2013.01); **C10M 2201/1033** (2013.01); **C10M 2201/105** (2013.01); **C10M 2201/1053** (2013.01); **C10M 2201/123** (2013.01); **C10M 2205/00** (2013.01); **C10M 2205/022** (2013.01); **C10M 2205/024** (2013.01); **C10M 2205/026** (2013.01); **C10M 2205/04** (2013.01); **C10M 2205/06** (2013.01); **C10M 2205/14** (2013.01); **C10M 2209/04** (2013.01); **C10M 2209/06** (2013.01); **C10M 2209/062** (2013.01); **C10M 2209/08** (2013.01); **C10M 2209/084** (2013.01); **C10M 2209/086** (2013.01); **C10M 2209/12** (2013.01); **C10M 2217/028** (2013.01); **C10M 2217/06** (2013.01); **C10N 2040/24** (2013.01); **C10N 2040/241** (2020.05); **C10N 2040/242** (2020.05); **C10N 2040/243** (2020.05); **C10N 2040/244** (2020.05); **C10N 2040/245** (2020.05); **C10N 2040/246** (2020.05); **C10N 2040/247** (2020.05); **C10N 2050/02** (2013.01)

Citation (search report)

- [A] FR 2270319 A1 19751205 - LONZA AG [CH]
- [AD] DE 2430249 A1 19760219 - BUDENHEIM RUD A OETKER CHEMIE

Cited by

DE102010015596B4; US5242506A; EP0240825A3; US5042209A; CN103242936A; EP0612830A1; US2016075903A1; US5099667A; US5271854A; US5205488A; US8440597B2; WO9800483A1; WO2014195166A1; US6177386B1; US10995297B2; EP2105490A1; DE102008016348A1; WO2008043656A3; WO9207050A1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0164637 A1 19851218; CH 660023 A5 19870313; CN 85103499 A 19861029; CS 251787 B2 19870813; CS 386285 A2 19861218; DD 233379 A5 19860226; HU T38121 A 19860428; JP S612797 A 19860108; PL 142820 B1 19871231; PL 253665 A1 19860225; RO 92319 A 19871130; RO 92319 B 19871201; SU 1395145 A3 19880507; ZA 853630 B 19851224

DOCDB simple family (application)

EP 85106532 A 19850528; CH 265184 A 19840530; CN 85103499 A 19850429; CS 386285 A 19850529; DD 27667585 A 19850524; HU 206185 A 19850529; JP 11444985 A 19850529; PL 25366585 A 19850528; RO 11896785 A 19850520; SU 3900950 A 19850528; ZA 853630 A 19850514