

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

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CPC (source: EP)

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Citation (search report)

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