

Title (en)

Lubricant composition suitable for application on metal workpieces during hot-forming

Title (de)

Schmiermittelzusammensetzung für die Anwendung auf Werkstücken bei der Heissumformung von Metallen

Title (fr)

Composition lubrifiante convenant à l'application sur des pièces métalliques pour le formage à chaud

Publication

EP 0743352 A1 19961120 (DE)

Application

EP 96107611 A 19960513

Priority

CH 141695 A 19950516

Abstract (en)

Lubricating oil compsn. (I) consists of: (a1) 0-80 (wt.%) glass powder; (a2) 0-50 glass frit, where one of (a1) or (a2) is hot 0 wt.%; (b) 10-25 natural or synthetic graphite; (c) 5-20 alkali silicates of formula: Me₂O_nSiO₂ (where Me = Li, K or Na; and n = 1-4); (d) 1-6 water-soluble Na-polymetaphosphate; (e) 0-3 water-insoluble Na-polymetaphosphate; (f) 0.5-4 thickener; and (g) 0-1 borax.

Abstract (de)

Es wird eine Schmiermittelzusammensetzung beschrieben, die geeignet ist zur Anwendung auf Werkstücken mit Oberflächentemperaturen von 800 °C bis 1300 °C.

IPC 1-7

C10M 103/00; **C10M 169/04**

IPC 8 full level

B21C 23/32 (2006.01); **C10M 103/00** (2006.01); **C10M 113/02** (2006.01); **C10M 113/12** (2006.01); **C10M 113/14** (2006.01); **C10M 119/20** (2006.01); **C10M 125/02** (2006.01); **C10M 125/24** (2006.01); **C10M 125/26** (2006.01); **C10M 125/28** (2006.01); **C10M 145/10** (2006.01); **C10M 145/40** (2006.01); **C10M 169/04** (2006.01); **C10M 173/02** (2006.01); **B21B 45/02** (2006.01); **C10N 10/02** (2006.01); **C10N 20/00** (2006.01); **C10N 20/06** (2006.01); **C10N 40/24** (2006.01)

CPC (source: EP KR US)

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C-Set (source: EP US)

1. **C10M 2201/0613 + C10M 2201/0613**
2. **C10M 2201/0623 + C10M 2201/0623**
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4. **C10M 2201/0663 + C10M 2201/0663**
5. **C10M 2201/0603 + C10M 2201/0603**
6. **C10M 2201/0853 + C10M 2201/0853**
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8. **C10M 2201/0873 + C10M 2201/0873**
9. **C10M 2201/0803 + C10M 2201/0803**
10. **C10M 2201/1023 + C10M 2201/1023**
11. **C10M 2201/1033 + C10M 2201/1033**
12. **C10M 2201/1053 + C10M 2201/1053**
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Citation (search report)

- [AD] CH 660023 A5 19870313 - LONZA AG
- [A] PATENT ABSTRACTS OF JAPAN vol. 005, no. 035 (C - 046) 5 March 1981 (1981-03-05)

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