

Title (en)

COMPOSITION FOR THE PROTECTION FROM SCALE AND AS LUBRICANT FOR METAL HOT WORKING

Title (de)

ZUSAMMENSETZUNG FÜR DEN SCHUTZ VOR ZUNDER UND ALS SCHMIERMITTEL FÜR DIE HEISSVERARBEITUNG VON METALLEN

Title (fr)

COMPOSE POUR LA PROTECTION CONTRE AMADOU ET COMME LUBRIFIANTE POUR LE TRAVAIL DU MÉTAL CHAUD

Publication

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Application

**EP 14708889 A 20140311**

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Abstract (en)

[origin: CA2904500A1] The invention relates to a composition for protection from scale and as a lubricant for the hot processing of metals, consisting of a mixture of finely pulverulent materials, wherein the mixture contains at least the following constituents: (a) 0 to 15% by weight secondary or tertiary calcium phosphate compound, hydroxyl apatite or a mixture thereof, (b) 0.1 to 35% by weight of fatty acid, fatty acid salt or a mixture thereof, (c) 1 to 90% by weight ground boron silicate glass, which contains Na, B, Si and Al in the following weight fractions, expressed by their respective oxides, in relation to the boron silicate glass: 1 to 30% by weight Na<sub>2</sub>O, 2 to 70% by weight B<sub>2</sub>O<sub>3</sub>, 10 to 70% by weight SiO<sub>2</sub> and 0 to 10% by weight Al<sub>2</sub>O<sub>3</sub>, (d) 9 to 85% by weight condensed alkali phosphates, (e) boric acid, boric acid salt or a mixture thereof in an amount corresponding to a boron content, expressed by the oxide, of 0 to 3.2% by weight B<sub>2</sub>O<sub>3</sub>, (f) 0 to 10% by weight graphite, the mixture having an average particle size D<sub>50</sub> of = 300 µm.

IPC 8 full level

**C10M 125/28** (2006.01)

CPC (source: EP US)

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