

Title (en)

AGENT AND METHOD FOR MACHINING METAL AND FOR CLEANING METAL OR ANTICORROSION TREATMENT

Title (de)

MITTEL UND VERFAHREN FÜR DIE METALLBEARBEITUNG UND FÜR METALLREINIGUNG ODER KORROSIONSSCHUTZ

Title (fr)

AGENTS ET PROCEDES POUR L'USINAGE ET LE NETTOYAGE DES METAUX OU LEUR TRAITEMENT ANTICORROSION

Publication

**EP 1108073 B1 20030122 (DE)**

Application

**EP 99940060 A 19990727**

Priority

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- EP 9905373 W 19990727

Abstract (en)

[origin: US6524396B1] A process for metal cutting using a water-mixed cutting compound and subsequent cleansing and corrosion protective treatment wherein an oil in water emulsion is used as a cutting compound which contains;(I) an amount emulsifier system consisting of:(a) ethoxylates/propoxylates of fatty alcohols having 8 to 18 carbon atoms in the alcohol, which contains 2 to 6 ethylene oxide units and 4 to 8 propylene oxide units;(b) fatty alcohols and/or fatty alcohols propoxylates having 12 to 24 carbon atoms in the alcohol and 0 to 3 propylene oxide units and/or distillation residues of such fatty alcohols;In a ratio by weight, a:b=1:0.2 to 0.2:1;and(ii) corrosion inhibitory; and an aqueous solution or suspension is used for cleansing an anti-corrosion treatment which contains the same emulsifier system and the corrosion inhibitors as the cutting compound. The cutting compound and the cleansing and corrosion protective treatment material comprise a systems for treating the metal during cutting and cleansing.

IPC 1-7

**C23G 1/14**; **C10M 173/00**

IPC 8 full level

**C10M 173/00** (2006.01); **C23F 11/12** (2006.01); **C23G 1/14** (2006.01)

CPC (source: EP US)

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C-Set (source: EP US)

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