

Title (en)

DEVICE AND METHOD FOR MECHANICALLY REMOVING SURFACE COATINGS BY MEANS OF COLDNESS

Title (de)

VORRICHTUNG UND VERFAHREN ZUM KÄLTEUNTERSTÜTZTEN MECHANISCHEN ENTFERNEN VON OBERFLÄCHENBESCHICHTUNGEN

Title (fr)

DISPOSITIF ET PROCEDE D'ELIMINATION MECANIQUE ASSOCIEE AU FROID DE REVETEMENTS DE SURFACE

Publication

**EP 1222038 A1 20020717 (DE)**

Application

**EP 00960649 A 20000912**

Priority

- DE 19946957 A 19990930
- EP 0008901 W 20000912

Abstract (en)

[origin: DE19946957C1] Apparatus comprises a cooling unit with a nozzle for directing a jet of cooling agent (carbon dioxide, for example) onto the coating to embrittle it. The apparatus (1) for removal of a coating (21) from a substrate (10) includes a tool (2) with an element (12) capable of subjecting the coating to mechanical impacts. It additionally includes a cooling unit (3) which is connectable to a cooling agent source, and is provided with a nozzle (18) for directing a jet of the cooling agent (carbon dioxide, for example) to the substrate to embrittle the coating to be removed. An Independent claim is also included for a method to be used with the proposed apparatus. It involves embrittling of the coating material through low temperatures.

IPC 1-7

**B08B 7/02**; **B08B 7/00**

IPC 8 full level

**B08B 7/00** (2006.01); **B08B 7/02** (2006.01); **B23P 9/04** (2006.01); **B44D 3/16** (2006.01)

CPC (source: EP)

**B08B 7/0092** (2013.01); **B08B 7/022** (2013.01); **B23P 9/04** (2013.01); **B44D 3/16** (2013.01); **B25D 2250/291** (2013.01)

Citation (search report)

See references of WO 0123112A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**DE 19946957 C1 20010201**; EP 1222038 A1 20020717; WO 0123112 A1 20010405

DOCDB simple family (application)

**DE 19946957 A 19990930**; EP 0008901 W 20000912; EP 00960649 A 20000912