Title (en)

Process and agent for simultaneous vibratory grinding, cleaning and passivation of metallic workpieces.

Title (de)

Verfahren und Mittel zum gleichzeitigen Gleitschleifen, Reinigen und Passivieren metallischer Werkstücke.

Title (fr)

Procédé et agent pour le ponçage par vibrations, le nettoyage et la passivation simultanés de matériaux métallique.

Publication

EP 0324394 B1 19931103 (DE)

Application

EP 89100227 A 19890107

Priority

DE 3800834 A 19880114

Abstract (en)

[origin: EP0324394A2] The invention relates to a process and agent for the simultaneous vibratory grinding, cleaning and passivation of metallic workpieces using acidic aqueous solutions which contain orthophosphoric acid and/or pyrophosphoric acids and/or water-soluble salts thereof, oligocarboxylic acids and, if required, also surfactants, corrosion inhibitors and other customary active ingredients and/or auxiliaries.

IPC 1-7

B24B 31/14; C23C 22/73

IPC 8 full level

C23C 22/08 (2006.01); **B24B 31/14** (2006.01); **C23C 22/23** (2006.01); **C23C 22/73** (2006.01); **C23F 3/00** (2006.01)

CPC (source: EP US)

B24B 31/14 (2013.01 - EP US); **C23C 22/73** (2013.01 - EP US); **C23F 3/00** (2013.01 - EP US)

Cited by

WO2012022510A1; EP0656038A4; EP0414441A3; DE102010037077B4; EP3081334A1; US9085062B2; WO2009034336A1; WO2009130248A1; WO2009068366A1; DE102010037077A1

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0324394 A2 19890719; **EP 0324394 A3 19900704**; **EP 0324394 B1 19931103**; AT E96716 T1 19931115; DE 3800834 A1 19890727; DE 58906058 D1 19931209; DK 734388 A 19890715; DK 734388 D0 19881230; ES 2046333 T3 19940201; JP H01219171 A 19890901; TR 25081 A 19920923; US 5047095 A 19910910

DOCDB simple family (application)

EP 89100227 A 19890107; AT 89100227 T 19890107; DE 3800834 A 19880114; DE 58906058 T 19890107; DK 734388 A 19881230; ES 89100227 T 19890107; JP 962089 A 19890117; TR 7289 A 19890112; US 29744589 A 19890113