

Title (en)  
DEVICE AND METHOD FOR DEBURRING AND/OR CLEANING A WORKPIECE DIPPED IN A FLUID MEDIUM

Title (de)  
VORRICHTUNG UND VERFAHREN ZUR ENTGRATUNG UND/ODER REINIGUNG EINES IN EIN FLÜSSIGES MEDIUM EINGETAUCHTEN WERKSTÜCKS

Title (fr)  
DISPOSITIF ET PROCÉDÉ POUR L'ÉBAVURAGE ET/OU LE NETTOYAGE D'UNE PIÈCE À USINER PLONGÉE DANS UN MILIEU LIQUIDE

Publication  
**EP 2252413 A1 20101124 (DE)**

Application  
**EP 09718973 A 20090310**

Priority  
• EP 2009052780 W 20090310  
• DE 102008015042 A 20080314

Abstract (en)  
[origin: US2011056525A1] In order to produce a particularly efficient device for deburring and/or cleaning a work piece that is dipped in a fluid medium comprising a fluid discharge device for producing a high pressure fluid jet, it is proposed that the device should comprise a gas discharge device for the production of a gas flow which at least partially envelops the fluid jet.

IPC 8 full level  
**B08B 3/02** (2006.01); **B08B 3/10** (2006.01)

CPC (source: EP US)  
**B08B 3/02** (2013.01 - EP US); **B08B 3/102** (2013.01 - EP US)

Citation (search report)  
See references of WO 2009112485A1

Cited by  
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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**US 2011056525 A1 20110310; US 8608865 B2 20131217**; AT E523267 T1 20110915; CA 2718243 A1 20090917; CA 2718243 C 20130430; CN 101970136 A 20110209; CN 101970136 B 20121024; DE 102008015042 A1 20090917; EP 2252413 A1 20101124; EP 2252413 B1 20110907; PL 2252413 T3 20120229; WO 2009112485 A1 20090917

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**US 87983210 A 20100910**; AT 09718973 T 20090310; CA 2718243 A 20090310; CN 200980108926 A 20090310; DE 102008015042 A 20080314; EP 09718973 A 20090310; EP 2009052780 W 20090310; PL 09718973 T 20090310