

Title (en)

Method for working on workpieces by means of a water jet that contains abrasive and emerges under high pressure from a nozzle, water jet installation for executing the method, and application of the method

Title (de)

Verfahren zum Bearbeiten von Werkstücken mittels eines unter hohem Druck aus einer Düse austretenden schleifmittelhaltigen Wasserstrahls, Wasserstrahlanlage zur Durchführung des Verfahrens sowie Anwendung des Verfahrens

Title (fr)

Procédé de traitement de pièces usinées à l'aide d'un jet d'eau contenant un agent abrasif sortant d'une buse sous haute pression, installation de jet d'eau destiné à exécuter et à appliquer le procédé

Publication

EP 2308646 B1 20140226 (DE)

Application

EP 10180557 A 20100928

Priority

DE 102009043697 A 20091001

Abstract (en)

[origin: EP2308646A1] The method involves producing a mixture of water and abrasive in an open mixing vessel (31) at normal pressure to provide an abrasive suspension (34). The abrasive suspension is brought to working pressure of specific mega Pascal, where the working pressure is above normal pressure. The abrasive suspension under the working pressure is fed from an output of a diaphragm pump (36) directly to a nozzle via a pressure line (39), and a water jet (45) with the abrasive is issued from the nozzle (44) for acting on a workpiece surface. An independent claim is also included for a water installation jet for processing a workpiece.

IPC 8 full level

B24C 7/00 (2006.01); **B24C 5/00** (2006.01); **F04B 43/08** (2006.01)

CPC (source: EP US)

B24C 5/00 (2013.01 - EP US); **B24C 7/0007** (2013.01 - EP US); **F04B 43/023** (2013.01 - EP US)

Cited by

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DOCDB simple family (publication)

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DOCDB simple family (application)

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