

Title (en)

DEVICE AND METHOD FOR CLEANING, ACTIVATING OR PRE-TREATING WORKPIECES BY BLASTING CARBON DIOXIDE SNOW

Title (de)

VORRICHTUNG UND VERFAHREN ZUM REINIGEN, AKTIVIEREN ODER VORBEHANDELN VON WERKSTÜCKEN MITTELS KOHLENDIOXIDSCHNEE-STRAHLEN

Title (fr)

DISPOSITIF ET PROCEDE POUR NETTOYER, ACTIVER OU PRETRAITER DES PIECES PAR PROJECTION DE NEIGE CARBONIQUE

Publication

EP 1843874 A1 20071017 (DE)

Application

EP 05822749 A 20051128

Priority

- EP 2005012866 W 20051128
- DE 102005005638 A 20050205

Abstract (en)

[origin: DE102005005638B3] Method for cleaning, activating or treating workpieces using carbon dioxide snow streams comprises adding a carbon dioxide mixture via a nozzle opening (7) of a mixing chamber (1) into which a central gas stream (2) made from carrier gas, metering to the gas stream radially from outside, mixing, accelerating the mixed gas in an outlet nozzle (14) and passing onto the workpiece. An independent claim is also included for a device for carrying out the above method. Preferred Features: The gas stream is adjusted to a temperature of 10-40[deg] C on entering the mixing chamber. The gas stream is displaced before entering the mixing chamber. The carbon dioxide mixture consists of carbon dioxide gas and carbon dioxide particles. The gas stream consists of water droplets.

IPC 8 full level

B24C 1/00 (2006.01); **B24C 5/04** (2006.01); **C01B 32/55** (2017.01)

CPC (source: EP US)

B24C 1/003 (2013.01 - EP US); **B24C 5/04** (2013.01 - EP US)

Citation (search report)

See references of WO 2006081856A1

Cited by

AT13392U1; EP2420353A1; WO2012022735A1; US9975216B2; US11358183B2

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DOCDB simple family (publication)

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