

Title (en)

Process and apparatus for surface treatment, in particular for cleaning surfaces with CO<sub>2</sub>-dry ice granulate

Title (de)

Verfahren zur Oberflächenbehandlung, insbesondere Reinigung von Oberflächen mit CO<sub>2</sub>-Trockeneisgranulat und eine Vorrichtung zur Durchführung dieses Verfahrens

Title (fr)

Procédé et appareil de traitement de surfaces, en particulier pour le nettoyage des surfaces avec de la glace carbonique sèche en granules

Publication

**EP 0786311 B1 20000614 (DE)**

Application

**EP 96111531 A 19960717**

Priority

- DE 19540458 A 19951030
- DE 19544906 A 19951201
- DE 19624652 A 19960620

Abstract (en)

[origin: EP0786311A1] The surface cleaning process uses carbon dioxide dry ice granulate (2), which is passed through a hose (6) and a jet gun (11) on the end. The gun is subjected to negative pressure to suck the granulate from a store (3). A separate air pressure line is used to spray the dry ice granulate onto the surface being treated. A jet pressure regulator is used to regulate the impact intensity of the dry ice granulate. It provides a pressure range of 3 to 20 bars. The jet pressure can be regulated by altering the air input forming the pressure.

IPC 1-7

**B24C 1/00**; **B24C 7/00**

IPC 8 full level

**B24C 5/02** (2006.01); **B24C 7/00** (2006.01)

CPC (source: EP)

**B24C 5/02** (2013.01); **B24C 7/0053** (2013.01); **B24C 7/0069** (2013.01)

Cited by

EP1044762A3; CN103056131A; EP1232693A3; DE102019202220A1; CN114808832A; US11001500B2; DE202013006953U1; WO2006000274A1; WO0220217A1; WO2004060612A1; US10888972B2; US6726549B2; US7950984B2; US7112120B2; US6524172B1; US10792788B2; EP3254807A1; EP4316734A2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU MC NL SE

DOCDB simple family (publication)

**EP 0786311 A1 19970730**; **EP 0786311 B1 20000614**; AT E193853 T1 20000615

DOCDB simple family (application)

**EP 96111531 A 19960717**; AT 96111531 T 19960717