Title (en)

Device and method for cleaning objects using dry snow

Title (de)

Vorrichtung und Verfahren zum Reinigen von Gegenständen mittels Trockenschnee

Title (fr)

Dispositif et procédé de nettoyage d'objets à l'aide de neige carbonique

Publication

EP 2151300 B1 20110420 (DE)

Application

EP 08018251 A 20081017

Previously filed application

102008037089 20080808 DE

Priority

DE 102008037089 A 20080808

Abstract (en)

[origin: EP2151300A1] The device has an expansion channel for producing carbon dioxide crystals from liquid carbon dioxide, and a venturi nozzle (7) for discharging the crystals, where the nozzle mixes the crystals with abrasive additives. The crystals and the additives are fed into a section (25) of small cross section of the nozzle, and the channel is partially spiral shaped around a compression part (23) of the nozzle. The additives are selected from a group consisting of lava granules, oil emulsive core e.g. cherry stone, glass beads and plastic granules e.g. polyethylene, polyamide and polycarbonate. An independent claim is also included for a method for cleaning surfaces of an object using dry snow.

IPC 8 full level

B24C 1/00 (2006.01); **B24C 5/04** (2006.01); **B24C 7/00** (2006.01); **B24C 11/00** (2006.01)

CPC (source: EP)

B24C 1/003 (2013.01); **B24C 5/04** (2013.01); **B24C 7/0046** (2013.01); **B24C 11/00** (2013.01); **B24C 11/005** (2013.01)

Cited by

EP2926951A1; RU2744633C1; CN110026911A; BE1026348B1; FR3121063A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 2151300 A1 20100210; **EP 2151300 B1 20110420**; AT E506142 T1 20110515; DE 102008037089 A1 20100211; DE 502008003284 D1 20110601; ES 2364787 T3 20110914; PL 2151300 T3 20110930

DOCDB simple family (application)

EP 08018251 A 20081017; AT 08018251 T 20081017; DE 102008037089 A 20080808; DE 502008003284 T 20081017; ES 08018251 T 20081017; PL 08018251 T 20081017