

Title (en)
Device for dry ice blasting

Title (de)
Vorrichtung und Verfahren zum Trockeneisreinigen

Title (fr)
Dispositif de sablage à glace carbonique

Publication
EP 1769886 A1 20070404 (DE)

Application
EP 06117362 A 20060718

Priority
CH 15722005 A 20050928

Abstract (en)
A dry-ice (T) cleaning assembly has a container (17) with a hose (12) extending into the ice chamber. The hose end is free to be manipulated back and forth (L) within the ice chamber under compressed air control (14). The hose suction tip (12) has a travel-limiting collar whose movement is limited by an end-stop (13), causing dry ice pellets to fracture and break down into smaller grains. The pneumatic system further draws dry ice pellets from the ice chamber and discharges the same via a pistol.

IPC 8 full level
B24C 1/00 (2006.01)

CPC (source: EP)
B24C 1/003 (2013.01)

Citation (search report)
• [XY] EP 0652078 A1 19950510 - COLD JET INC [US]
• [Y] US 5512106 A 19960430 - TAMAI TADAMOTO [JP], et al
• [X] US 5846338 A 19981208 - BONORA ANTHONY C [US], et al
• [XY] FR 2845885 A1 20040423 - BIONOFACE [FR]

Cited by
EP2420353A1; WO2012022735A1; EP3254807A1; EP2662146A3; US10888972B2; WO2021122827A1; WO2008110148A3; EP4316734A3; US9975216B2; EP2832499A1; EP2832500A1; DE102021204759A1; EP4316734A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1769886 A1 20070404; EP 1769886 B1 20081001; EP 1769886 B8 20081231; AT E409548 T1 20081015; DE 502006001660 D1 20081113; ES 2313564 T3 20090301

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