

Title (en)

CARBON DIOXIDE SNOW APPARATUS

Title (de)

KOHLENDIOXID-SCHNEEERZEUGUNGSVORRICHTUNG

Title (fr)

APPAREIL À NEIGE CARBONIQUE

Publication

**EP 1824614 A1 20070829 (EN)**

Application

**EP 05853712 A 20051213**

Priority

- US 2005044863 W 20051213
- US 63523004 P 20041213

Abstract (en)

[origin: MX2007007079A] A carbon dioxide snow apparatus of the present invention includes a carbon dioxide snow generation system (20) and a propellant generation system (28) connected to a common carbon dioxide gas source (30). The system includes a condenser (26) having a at least two connected segments (38), wherein a first segment has a lesser diameter than the a second segment to provide a stepped expansion cavity (36) for cooling and condensing liquid carbon dioxide into solid carbon dioxide snow. Several generations systems, each separately controllable with separate condensers, may be integrated with the propellant generation system and common carbon dioxide source to provide for a multiplicity of carbon dioxide applicators for integration into both manual and automated machining processes.

IPC 8 full level

**B08B 3/10** (2006.01); **B24C 1/00** (2006.01)

CPC (source: EP)

**B24C 1/003** (2013.01)

Cited by

CN113646134A; US11358183B2

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

DOCDB simple family (publication)

EP 1824614 A1 20070829; EP 1824614 A4 20120829; JP 2008522813 A 20080703; MX 2007007079 A 20071207

DOCDB simple family (application)

EP 05853712 A 20051213; JP 2007545702 A 20051213; MX 2007007079 A 20051213