

Title (en)
METHOD AND DEVICE FOR JET CLEANING

Title (de)
STRAHLVERFAHREN UND -VORRICHTUNG

Title (fr)
PROCEDE ET DISPOSITIF DE NETTOYAGE PAR PROJECTION

Publication
EP 1501655 A1 20050202 (DE)

Application
EP 03807743 A 20030701

Priority
• DE 10243693 A 20020920
• DE 10261013 A 20021224
• DE 10305269 A 20030207
• EP 0307011 W 20030701

Abstract (en)
[origin: WO2004033154A1] The invention concerns a method for cleaning surfaces by spraying, whereby a carrier gas is driven under pressure into a jet spray conduit (10) towards a jet nozzle (14), liquid CO₂ being supplied by a feed conduit (32). Upon expansion, said gas is transformed into carbon dioxide snow and passes through the jet spray conduit (10). The invention is characterized in that the CO₂ travels in the feed conduit (32) towards the jet spray conduit (10) passing through an enlarged expanding space (34).

IPC 1-7
B24C 1/00; **B24C 5/04**; **B24C 7/00**

IPC 8 full level
B24C 1/00 (2006.01); **B24C 5/04** (2006.01); **B24C 7/00** (2006.01)

CPC (source: EP US)
B24C 1/003 (2013.01 - EP US); **B24C 5/04** (2013.01 - EP US); **B24C 7/0046** (2013.01 - EP US)

Citation (search report)
See references of WO 2004033154A1

Cited by
WO2011121114A2; DE102008028433A1; DE102010060716A1; DE102009016116A1; DE102013002480A1; DE102008027253A1; DE102007009090A1; US8491354B2; WO2009074294A1; EP2151300A1; DE102008037089A1; DE102008047432A1; DE102008037088A1; DE102010036928A1; EP3928926A1; DE102020003866A1; EP2542327B1; EP2877806B1

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

DOCDB simple family (publication)
WO 2004033154 A1 20040422; AT E322357 T1 20060415; AU 2003249922 A1 20040504; BR 0306448 A 20041026; CN 100500380 C 20090617; CN 1681623 A 20051012; DE 50302893 D1 20060518; DK 1501655 T3 20060807; EP 1501655 A1 20050202; EP 1501655 B1 20060405; ES 2260691 T3 20061101; MX PA05003096 A 20051117; US 2006011734 A1 20060119; US 7484670 B2 20090203

DOCDB simple family (application)
EP 0307011 W 20030701; AT 03807743 T 20030701; AU 2003249922 A 20030701; BR 0306448 A 20030701; CN 03822331 A 20030701; DE 50302893 T 20030701; DK 03807743 T 20030701; EP 03807743 A 20030701; ES 03807743 T 20030701; MX PA05003096 A 20030701; US 52839005 A 20050318