

Title (en)
Device for the preservation of hollow cavities

Title (de)
Vorrichtung zur Hohlraumkonservierung und Vorzerstäuber

Title (fr)
Dispositif pour la préservation des espaces creux

Publication
EP 1477231 A3 20050629 (DE)

Application
EP 04011308 A 20040512

Priority
DE 10322170 A 20030516

Abstract (en)
[origin: EP1477231A2] Liquid wax passes through an inlet valve (1) leading to a line (2) connected to a pressure regulator (3). The wax then passes through a flow measurement device (4) to a pre-atomization system (14) mixing liquid wax with air under pressure. The air enters via an inlet valve (6) leading to a line (5) connected to filters (7,8), a pressure measurement device (9) and a control valve system (22) with three 5/2-way valves (15,17,21) and two pressure regulators (16,18). The size of the droplets of wax produced by the pre-atomization system may be controlled. The wax mist may be fed through a valve (20), which admits extra air (11), to the spray lance (19).

IPC 1-7
B05B 7/00; B05B 13/06; B05B 12/00

IPC 8 full level
B05B 7/26 (2006.01); **B05B 12/14** (2006.01)

CPC (source: EP)
B05B 7/2489 (2013.01); **B05B 13/0627** (2013.01); **B05B 12/1436** (2013.01)

Citation (search report)

- [X] DE 3910179 C1 19900329
- [X] DE 2657533 A1 19770630 - ATLAS COPCO AB
- [X] DE 10042325 A1 20020314 - ALSTOM POWER NV [NL]
- [X] DE 3939992 A1 19910606 - HIESSEL JUERGEN [DE]
- [X] DE 2622818 A1 19771201 - REIS WALTER

Cited by
WO2016198122A1

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1477231 A2 20041117; **EP 1477231 A3 20050629**; **EP 1477231 B1 20080709**; **EP 1477231 B2 20211201**; AT E400365 T1 20080715; DE 10322170 A1 20041209; DE 502004007532 D1 20080821; ES 2309417 T3 20081216; ES 2309417 T5 20220412

DOCDB simple family (application)
EP 04011308 A 20040512; AT 04011308 T 20040512; DE 10322170 A 20030516; DE 502004007532 T 20040512; ES 04011308 T 20040512