

Title (en)

EXHAUST LINE FOR A ROTATING SPRAYER WITH A PNEUMATIC TURBINE

Title (de)

ABGASLEITUNG FÜR EINE ROTIERENDE SPRITZVORRICHTUNG MIT EINER DRUCKLUFTTURBINE

Title (fr)

CONDUIT D'ÉCHAPPEMENT D'UN PROJECTEUR ROTATIF À TURBINE PNEUMATIQUE

Publication

EP 1675687 A1 20060705 (FR)

Application

EP 04805238 A 20041019

Priority

- FR 2004002674 W 20041019
- FR 0312243 A 20031020

Abstract (en)

[origin: US2007029405A1] The invention relates to a sprayer (1), comprising a pneumatic turbine (5), capable of rotating a bowl (6), the turbine being connected to a pressurized gas supply line (11), for driving said turbine and to a drive gas exhaust line (12). The exhaust line (12) is equipped with an inner sleeve (13) which defines the exhaust gas flow volume (V 13), an annular gap (E) with a non-zero thickness being provided between the outer surface of the sleeve (13) and the inner surface of the line (12). The structure is compatible with a temperature gradient between the optionally low-temperature exhaust gas flow volume (V 13) and the material (2) which forms the exhaust line (12), the risk of condensation being thus limited.

IPC 1-7

B05B 5/04

IPC 8 full level

B05B 5/04 (2006.01)

CPC (source: EP KR US)

B05B 5/001 (2013.01 - EP US); **B05B 5/04** (2013.01 - KR); **B05B 5/0415** (2013.01 - EP US)

Citation (search report)

See references of WO 2005039782A1

Cited by

JP2007508924A

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)

US 2007029405 A1 20070208; **US 7325751 B2 20080205**; AT E401130 T1 20080815; BR PI0415507 A 20061212; CN 100453185 C 20090121; CN 1871072 A 20061129; DE 602004015132 D1 20080828; EP 1675687 A1 20060705; EP 1675687 B1 20080716; ES 2310767 T3 20090116; FR 2860996 A1 20050422; FR 2860996 B1 20051216; JP 2007508924 A 20070412; JP 4695090 B2 20110608; KR 101113921 B1 20120417; KR 20070005916 A 20070110; WO 2005039782 A1 20050506

DOCDB simple family (application)

US 57632306 A 20060419; AT 04805238 T 20041019; BR PI0415507 A 20041019; CN 200480030813 A 20041019; DE 602004015132 T 20041019; EP 04805238 A 20041019; ES 04805238 T 20041019; FR 0312243 A 20031020; FR 2004002674 W 20041019; JP 2006534806 A 20041019; KR 20067007469 A 20041019