

Title (en)
Rotary sprayer and bearing for this sprayer

Title (de)
Rotationszerstäuber und Lagereinheit hierfür

Title (fr)
Pulvérisateur rotatif et palier pour ce pulvérisateur

Publication
EP 1384514 A3 20051026 (DE)

Application
EP 03016335 A 20030718

Priority
DE 10233198 A 20020722

Abstract (en)
[origin: EP1384514A2] The rotating atomizer has a rotating shaft for the cup plate (4) to generate a spray stream at the surface to be coated, and at least one deflection outflow (8,9) for deflection air forming the spray stream. An air supply line (18) within the housing (7), to deliver air to the deflection outflows, passes at least partially axially through the bearing unit (19) of the drive turbine (5). The bearing unit has at least one deflection air outlet at its mantle surface, linked by a drilling (23) to the deflection air outlet at the end side towards the cup plate.

IPC 1-7
B05B 3/10

IPC 8 full level
B05B 3/10 (2006.01); **B05B 7/08** (2006.01)

CPC (source: EP US)
B05B 3/10 (2013.01 - EP US); **B05B 3/1035** (2013.01 - EP US); **B05B 3/1092** (2013.01 - EP US)

Citation (search report)

- [X] US 5397063 A 19950314 - WEINSTEIN RICHARD [US]
- [X] DE 19517477 A1 19961114 - ABB PATENT GMBH [DE]

Cited by
WO2024126109A1; USD873874S; USD903733S; EP1764157A2; DE102017212480A1; WO2019015843A1; DE102017212480B4

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)
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EP 03016335 A 20030718; AT 03016335 T 20030718; DE 10233198 A 20020722; DE 50311882 T 20030718; ES 03016335 T 20030718; SI 200331712 T 20030718; US 62458603 A 20030722