

Title (en)

Rotary atomizer for saving rinsing agent

Title (de)

Spülmittelsparender Rotationszerstäuber

Title (fr)

Pulvérisateur rotatif pour économiser l'agent de rinçage

Publication

EP 1685909 A1 20060802 (DE)

Application

EP 06001509 A 20060125

Priority

DE 102005004081 A 20050128

Abstract (en)

Rotational sprayer has a symmetrical bell-shaped body (1) with nose part (2), cover part (3) with divergent surface (8) and steering gas ring (7) with at least one steering gas nozzle (13,13'). The divergent cover has a shoulder (11) between nose and cover part, which extends ring-like around the nose part and denotes an angle of at least 90[deg] of the exterior surface to the spray device. The nozzle is arranged so that its spray (14) hits the cover part inside the shoulder.

IPC 8 full level

B05B 3/10 (2006.01); **B05B 7/08** (2006.01); **B05B 15/02** (2006.01)

CPC (source: EP)

B05B 3/1014 (2013.01); **B05B 3/1092** (2013.01); **B05B 5/0426** (2013.01); **B05B 15/55** (2018.01)

Citation (applicant)

- EP 0463742 A2 19920102 - NORDSON CORP [US]
- US 5914153 A 19990622 - SWINK MILES GLENN [US], et al
- JP H06218301 A 19940809 - RANSBURG KK ABB

Citation (search report)

- [X] EP 0463742 A2 19920102 - NORDSON CORP [US]
- [X] US 5914153 A 19990622 - SWINK MILES GLENN [US], et al
- [A] US 5106025 A 19920421 - GIROUX PATRICE [FR], et al
- [A] EP 0878238 A1 19981118 - ABB INDUSTRY K K [JP]
- [A] PATENT ABSTRACTS OF JAPAN vol. 018, no. 588 (C - 1271) 10 November 1994 (1994-11-10)

Cited by

FR2917309A1; CN107961910A; US9314806B2; WO2015073143A1; WO2009010646A1

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