

Title (en)

Water atomizing nozzle of impact type for dust suppression

Title (de)

Wasserzerstäubungsdüse mit einer Prallfläche zur Staubbekämpfung

Title (fr)

Buse d'atomisation à surface d'impact pour la lutte contre les poussières

Publication

EP 1048358 A3 20011121 (EN)

Application

EP 00107824 A 20000412

Priority

IT BG990027 A 19990429

Abstract (en)

[origin: EP1048358A2] This water atomizing nozzle forms microscopic water droplets by the action of a high-velocity annular air jet on a tubular water stream bouncing off external disintegrating walls of an impactor member (10), said action generating an air-water mixture which freely expands outside the nozzle. <IMAGE>

IPC 1-7

B05B 1/26; **B05B 7/06**

IPC 8 full level

B05B 1/26 (2006.01); **B05B 3/04** (2006.01); **B05B 7/06** (2006.01)

CPC (source: EP)

B05B 1/265 (2013.01); **B05B 3/0486** (2013.01); **B05B 7/066** (2013.01)

Citation (search report)

- [XA] US 4386738 A 19830607 - BAUVER II WESLEY P
- [XA] US 3825188 A 19740723 - DOERING B
- [XA] CH 272044 A 19501130 - NOTZ GOTTLIEB [DE]
- [XA] US 4658754 A 19870421 - MESSNER ERICH [AT], et al
- [XA] US 3638859 A 19720201 - MACFARLANE JOHN JAMES
- [A] DE 19654321 A1 19980625 - PE PRODUCT ENGINEERING GMBH [DE]
- [X] PATENT ABSTRACTS OF JAPAN vol. 018, no. 601 (C - 1274) 16 November 1994 (1994-11-16)

Cited by

CN104254622A; CN102803520A; EP2465614A4; FR2873587A1; RU2653115C2; US8893643B2; WO2011004061A1; WO2006018511A3; WO2014092657A1

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