

Title (en)

Rotary atomizer and method for controlling the drive turbine

Title (de)

Rotationszerstäuber und Verfahren zur Steuerung seiner Antriebsturbine

Title (fr)

Atomiseur rotatif et méthode de contrôle de la turbine d'entraînement

Publication

EP 1245292 A1 20021002 (DE)

Application

EP 02006826 A 20020325

Priority

DE 10115469 A 20010329

Abstract (en)

A turbine drive substance (A) is fed to a turbine wheel (4) from supply lines (7,8) running through a sprayer. Levels of pressure and amounts are regulated according to need. If there is an increased need for drive energy, additional drive substance is fed to the turbine wheel by switching in a special channel (11). The additional drive substance branches off from a supply line (7) viz. from a speed governor (DR) to the turbine. Independent claims are also included for a rotary sprayer for carrying out the method of the present invention and for coating apparatus for use with the sprayer.

Abstract (de)

Bei erhöhtem Bedarf an Antriebsenergie wird der Grundversorgungsleitung der Luftturbine (4) eines Rotationszerstäubers über einen zuschaltbaren gesonderten Kanal (11) Zusatzluft mit höherem Druck zugeführt. <IMAGE>

IPC 1-7

B05B 5/04

IPC 8 full level

B05B 5/04 (2006.01); **B05B 3/10** (2006.01)

CPC (source: EP)

B05B 3/1085 (2013.01); **B05B 5/0415** (2013.01)

Citation (applicant)

DE 4306800 A1 19940908 - DUERR GMBH & CO [DE]

Citation (search report)

- [A] US 4650123 A 19870317 - OOISHI SHOGO [JP]
- [AD] DE 4306800 A1 19940908 - DUERR GMBH & CO [DE]

Cited by

WO2011054496A1; CN102596422A; US10052644B2

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