

Title (en)

ULTRASONIC STANDING WAVE SPRAYING ARRANGEMENT

Title (de)

ULTRASCHALL-STEHWELLEN-ZERSTÄUBERANORDNUNG

Title (fr)

SYSTEME DE PULVERISATION A ONDES STATIONNAIRES ULTRASONORES

Publication

**EP 1560663 A1 20050810 (DE)**

Application

**EP 03811742 A 20031029**

Priority

- DE 10252437 A 20021112
- EP 0311967 W 20031029

Abstract (en)

[origin: DE10252437A1] The appliance has a sonotrode (12), an opposite construction part (14), e.g. a second sonotrode, a vertical ultrasonic field in the gap between the two, and a feed device (29) to supply paint. The device has at least two pref. three pipe sections (30,31,32) in the area of the vertical ultrasonic field, for paint discharge. At least two of the pipe sections are located within a selected max. of the sound particle velocity of the field. The paint outlets of the pipe sections are positioned esp. in an equilateral triangle. The pipe sections have a hydrophobic surface, esp. a TFE coating.

IPC 1-7

**B05B 17/06**; B22F 9/08

IPC 8 full level

**B05B 17/06** (2006.01); **C23C 4/12** (2006.01)

CPC (source: EP US)

**B05B 17/0623** (2013.01 - EP US); **C23C 4/12** (2013.01 - EP US)

Citation (search report)

See references of WO 2004048001A1

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DOCDB simple family (publication)

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