

Title (en)
APPARATUS FOR ATOMIZING LIQUID PAINT

Publication
EP 0294606 B1 19900718 (DE)

Application
EP 88107537 A 19880511

Priority
DE 8708312 U 19870612

Abstract (en)
[origin: US4838487A] Device for the atomization of liquid paints, includes an atomizer bell and a coaxial centrally perforated deflecting member. The transition surface of the bell cooperates with the axially rear surface and the radially outer surface of the deflecting member to form the boundaries of a chamber in the form of a gap between the bell and the deflecting member, which chamber has only localized interruptions in the form of spacers between the bell and the deflecting member in which the axially rear surface of the deflecting member and the base part of the transition surface facing said rear surface each have an obtuse angled step in cross-section. The step is so arranged that while preserving the gap in a middle section the paint in this gap flows both axially forwards and radially outwards, and the axially rearwardly projecting center of the axially rear surface of the deflecting member is bounded at its radially outer region by a sharp deflecting edge of the step of this rear surface, while the other bends in the cross-sections of the two complementary steps are rounded off.

IPC 1-7
B05B 3/10; **B05B 5/04**; **B05B 7/10**

IPC 8 full level
B05B 3/10 (2006.01); **B05B 5/04** (2006.01); **B05B 7/10** (2006.01)

CPC (source: EP US)
B05B 3/1064 (2013.01 - EP US); **B05B 5/0407** (2013.01 - EP US)

Cited by
DE9419641U1; GB2224671A; GB2224671B; EP0951942A2

Designated contracting state (EPC)
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DE 8708312 U1 19870730; DE 3860334 D1 19900823; EP 0294606 A1 19881214; EP 0294606 B1 19900718; US 4838487 A 19890613

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