

Title (en)

Spray nozzle for fan shaped sprays

Title (de)

Sprühdüse zur Erzeugung eines Sprühfächers

Title (fr)

Buse de pulvérisation à jet en éventail

Publication

**EP 1170058 A3 20030917 (DE)**

Application

**EP 01115039 A 20010621**

Priority

- DE 10033190 A 20000707
- DE 10041119 A 20000822

Abstract (en)

[origin: EP1170058A2] Spray nozzle (1) comprises an outlet opening (4) forming a liquid stream and a baffle (7) arranged in the direction of flow behind the outlet opening to produce a fan spray. The baffle is a convex surface of a tongue (8) extending from the outlet opening into the liquid stream. Preferred Features: The baffle lies at an angle (  $\alpha$  ) to the axis (6) of the liquid stream emerging from the outlet opening. The width of the tongue increases in the direction of the liquid stream.

IPC 1-7

**B05B 1/04**; **B05B 1/26**

IPC 8 full level

**B05B 1/06** (2006.01); **B05B 1/26** (2006.01); **B05B 1/30** (2006.01)

CPC (source: EP KR US)

**B05B 1/06** (2013.01 - KR); **B05B 1/265** (2013.01 - EP US); **B05B 1/267** (2013.01 - EP US); **B05B 1/3073** (2013.01 - EP US)

Citation (search report)

- [X] US 971516 A 19101004 - BEAVER ISAAC K [US]
- [X] US 1805782 A 19310519 - MUNZ ELMER G
- [X] US 3085754 A 19630416 - THOMPSON WALTER VAN E
- [X] US 2626836 A 19530127 - CHARLES HERRON

Cited by

EP2684611A3; US9457366B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1170058 A2 20020109**; **EP 1170058 A3 20030917**; KR 100444531 B1 20040816; KR 20020005479 A 20020117; US 2002023975 A1 20020228

DOCDB simple family (application)

**EP 01115039 A 20010621**; KR 20010040295 A 20010706; US 90070901 A 20010709