

Title (en)
Solid cone spray nozzle

Title (de)
Vollkegelsprühdüse

Title (fr)
Buse à jet conique plein

Publication
EP 1767277 A3 20080305 (DE)

Application
EP 06015293 A 20060722

Priority
DE 102005047195 A 20050923

Abstract (en)
[origin: EP1767277A2] The nozzle has a mouthpiece with an outlet chamber (22) and an outlet opening (24) running out from the outlet chamber, where the outlet opening has a smaller cross section than the outlet chamber. An inflow opening (26) in the outlet chamber has a smaller cross section than the outlet chamber, where bar-like cross web (34) is arranged downstream to the inflow opening in the outlet chamber, where a fluid jet partially impinges at the web after occurrence of the jet in the outlet chamber.

IPC 8 full level
B05B 1/04 (2006.01); **B05B 1/34** (2006.01)

CPC (source: EP KR US)
B05B 1/02 (2013.01 - KR); **B05B 1/042** (2013.01 - EP US); **B05B 1/048** (2013.01 - EP US); **B05B 1/34** (2013.01 - EP US);
B05B 7/0483 (2013.01 - EP US)

Citation (search report)
• [X] US 6036116 A 20000314 - BUI QUY DUC [US]
• [A] US 5178325 A 19930112 - NIELSEN KENNETH A [US]
• [DA] EP 1243343 A1 20020925 - LECHLER GMBH & CO KG [DE]

Cited by
EP2698210A1; EP1847325A3; NL2007431C2; WO2014026992A3; WO2012134282A3

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1767277 A2 20070328; EP 1767277 A3 20080305; EP 1767277 B1 20100317; AT E460992 T1 20100415; CN 1935386 A 20070328; CN 1935386 B 20110608; DE 102005047195 B3 20070606; DE 502006006428 D1 20100429; ES 2340788 T3 20100609; KR 101110721 B1 20120217; KR 20070034437 A 20070328; US 2007069049 A1 20070329; US 7552881 B2 20090630

DOCDB simple family (application)
EP 06015293 A 20060722; AT 06015293 T 20060722; CN 200610159260 A 20060925; DE 102005047195 A 20050923; DE 502006006428 T 20060722; ES 06015293 T 20060722; KR 20060091896 A 20060921; US 52465306 A 20060921