

Title (en)
Nozzle device

Title (de)
Düsenvorrichtung

Title (fr)
Dispositif de buse

Publication
EP 2383046 B1 20150211 (DE)

Application
EP 11003359 A 20110421

Priority
DE 102010019184 A 20100430

Abstract (en)
[origin: DE102010019184A1] Nozzle arrangement comprises a nozzle body (2) having nozzle channels (7) forming a laminar flow and a support (3) having an outer contour with a constant curve or a curve which changes in relation to the radial symmetry axis (9) of the body. Preferred Features: The recess of the support is rotationally symmetrical in relation to the radial symmetry axis of the body. Nozzle elements (8) are provided on the nozzle body.

IPC 8 full level
B05B 15/06 (2006.01); **D21F 1/32** (2006.01); **D21F 1/34** (2006.01)

CPC (source: EP US)
B05B 1/02 (2013.01 - EP US); **B05B 1/14** (2013.01 - EP US); **D21F 1/32** (2013.01 - EP US); **D21F 1/34** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
DE 102010019184 A1 20101125; EP 2383046 A1 20111102; EP 2383046 B1 20150211; ES 2535476 T3 20150512;
US 2011266373 A1 20111103

DOCDB simple family (application)
DE 102010019184 A 20100430; EP 11003359 A 20110421; ES 11003359 T 20110421; US 201113098547 A 20110502