

Title (en)

DEVICE FOR DIFFUSING A FLUID WITH DIVERGENT MAIN PORTION AND MEANS FOR ACTING ON THE FLUID, FOR A PIPE END

Title (de)

VORRICHTUNG ZUM VERSPRÜHEN EINES FLUIDS MIT DIVERGIERENDEM HAUPTANTEIL UND MITTEL ZUR BEEINFLUSSUNG DES FLUIDS, FÜR EIN ROHRENDE

Title (fr)

DISPOSITIF DE DIFFUSION DE FLUIDE À PARTIE PRINCIPALE DIVERGENTE ET MOYENS D'ACTION SUR LE FLUIDE, POUR UNE EXTRÉMITÉ DE CONDUIT

Publication

**EP 3247579 A1 20171129 (FR)**

Application

**EP 15822982 A 20151216**

Priority

- FR 1550218 A 20150112
- FR 2015053558 W 20151216

Abstract (en)

[origin: WO2016113480A1] The invention relates to a fluid-diffusion device (DD) which is coupled to an end (EC) of a pipe (CD) in which a fluid flows. Said device (DD) includes a main portion (PP), defining a pipe having a cone-shaped inner surface (FI) and comprising an upstream end (EA1) capable of being coupled to the end (EC) of the pipe (CD) and a downstream end (EV1) having an inner cross-section which is larger than that of the upstream end (EA1), and acting means (MA), installed substantially at the interface between the pipe end (EC) and the upstream end (EA1) and arranged such as to act on the fluid by locally reducing cross-section thereof, by separating at least one selected portion of the inner surface (FI), in order to guide the fluid in a selected main direction and with a selected expansion rate.

IPC 8 full level

**B60H 1/34** (2006.01); **F24F 13/08** (2006.01)

CPC (source: CN EP)

**B60H 1/3414** (2013.01 - CN EP); **F24F 13/12** (2013.01 - EP); **F24F 2221/28** (2013.01 - EP)

Citation (search report)

See references of WO 2016113480A1

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)

**FR 3031474 A1 20160715; FR 3031474 B1 20170421**; CN 107206868 A 20170926; CN 107206868 B 20200707; EP 3247579 A1 20171129; WO 2016113480 A1 20160721

DOCDB simple family (application)

**FR 1550218 A 20150112**; CN 201580073166 A 20151216; EP 15822982 A 20151216; FR 2015053558 W 20151216