

Title (en)

SWIRLING FEED TUBE FOR HEAT EXCHANGER

Title (de)

WIRBELNDES ZUFÜHRROHR FÜR WÄRMETAUSCHER

Title (fr)

TUBE D'ALIMENTATION TOURBILLONNANT POUR ÉCHANGEUR DE CHALEUR

Publication

EP 3567332 A1 20191113 (EN)

Application

EP 19173305 A 20190508

Priority

US 201815973709 A 20180508

Abstract (en)

In a featured embodiment, a heat exchanger assembly includes an inlet manifold defining an expanding area in a direction of flow; and an inlet in flow communication with the inlet manifold, the inlet including a wall for inducing a rotational inertia to flow entering the inlet manifold.

IPC 8 full level

F28F 9/02 (2006.01); **F28F 13/06** (2006.01); **F28F 13/12** (2006.01)

CPC (source: EP US)

F28F 9/0263 (2013.01 - US); **F28F 9/0265** (2013.01 - US); **F28F 9/0268** (2013.01 - EP); **F28F 9/0273** (2013.01 - EP); **F28F 13/06** (2013.01 - EP); **F28F 13/12** (2013.01 - EP); **F28F 2009/029** (2013.01 - US)

Citation (search report)

- [X] DE 102005042315 A1 20070308 - BEHR GMBH & CO KG [DE]
- [X] EP 2998684 A1 20160323 - MAHLE INT GMBH [DE]

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)

EP 3567332 A1 20191113; **EP 3567332 B1 20210106**; **EP 3567332 B8 20210331**; US 2019346216 A1 20191114

DOCDB simple family (application)

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