

Title (en)

Flow work machine with edge energising near the suction side

Title (de)

Strömungsarbeitsmaschine mit saugseitennaher Randenergetisierung

Title (fr)

Machine de traitement des écoulements dotée d'un moyen pour énergiser des bords proches du côté aspirant

Publication

EP 2180193 A3 20140507 (DE)

Application

EP 09010688 A 20090819

Priority

DE 102008052409 A 20081021

Abstract (en)

[origin: EP2180193A2] The fluid flow machine has a main flowing path, in which a set of blades is arranged. The originated fluid jet is aligned tangential to the contour of the main flowing path boundary by the form and orientation of an outlet (6) directly after its entry into the main flowing path during observation in the meridian plane and parallel to the local tangent at the mean line of the adjacent profile of a blade during observation in the plane formed through periphery direction and meridian direction and in the direction of the main stream at the blade ends.

IPC 8 full level

F04D 27/02 (2006.01); **F04D 29/68** (2006.01)

CPC (source: EP US)

F04D 27/0207 (2013.01 - EP US); **F04D 29/681** (2013.01 - US); **F04D 29/684** (2013.01 - EP US)

Citation (search report)

- [XA] EP 1609999 A2 20051228 - ROLLS ROYCE DEUTSCHLAND [DE]
- [A] EP 1536146 A2 20050601 - ROLLS ROYCE DEUTSCHLAND [DE]

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2180193 A2 20100428; **EP 2180193 A3 20140507**; **EP 2180193 B1 20181010**; DE 102008052409 A1 20100422;
US 2010098527 A1 20100422; US 8834116 B2 20140916

DOCDB simple family (application)

EP 09010688 A 20090819; DE 102008052409 A 20081021; US 57601209 A 20091008