

Title (en)

Fluid-flow machine with edge energising near the suction side

Title (de)

Strömungsarbeitsmaschine mit saugseitennaher Randenergetisierung

Title (fr)

Turbomachine dotée d'un moyen pour énergiser des bords proches du côté aspirant

Publication

EP 2180193 B1 20181010 (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)

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