

Title (en)
BLOWER DEVICES OR SUCTION DEVICES

Title (de)
GEBLÄSE- ODER ABSAUGVORRICHTUNG

Title (fr)
APPAREILS SOUFFLANTS OU ASPIRANTS

Publication
EP 2580481 A1 20130417 (DE)

Application
EP 11779568 A 20110608

Priority
• DE 102010023017 A 20100608
• DE 2011001599 W 20110608

Abstract (en)
[origin: WO2012062249A1] The invention relates to a method for influencing the flow behavior of turbomachines, in particular blower devices or suction devices, wherein the turbomachine has a surface that guides the flow and that has at least one structured surface section (10, 200, 205, 250, 260, 270, 280, 290, 300, 360, 510, 515). Longitudinal vortices, by means of which the flow is structured, are advantageously created by means of a structured surface section (10, 200, 205, 250, 260, 270, 280, 290, 300, 360, 510, 515) at least in the surface areas of the turbomachine in which the flow separates from the surface or turbulent flows occur.

IPC 8 full level
F04D 29/16 (2006.01); **F04D 29/68** (2006.01)

CPC (source: EP)
F04D 29/162 (2013.01); **F04D 29/422** (2013.01); **F04D 29/681** (2013.01); **F04D 29/682** (2013.01); **F04D 29/684** (2013.01);
F05D 2250/181 (2013.01)

Citation (search report)
See references of WO 2012062249A1

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

DOCDB simple family (publication)
DE 102010023017 A1 20111208; EP 2580481 A1 20130417; WO 2012062249 A1 20120518

DOCDB simple family (application)
DE 102010023017 A 20100608; DE 2011001599 W 20110608; EP 11779568 A 20110608