

Title (en)

IMPELLER FOR A SIDE CHANNEL FLOW MACHINE IN PARTICULAR DESIGNED AS A SIDE CHANNEL BLOWER

Title (de)

LAUFRAD FÜR EINE INSBESONDERE ALS SEITENKANALGEBLÄSE AUSGEBILDETE SEITENKANAL-STRÖMUNGSMASCHINE

Title (fr)

ROTOR POUR TURBOMACHINE RÉGÉNÉRATRICE, RÉALISÉE EN PARTICULIER SOUS LA FORME D'UNE SOUFFLANTE RÉGÉNÉRATRICE

Publication

EP 3058230 A1 20160824 (DE)

Application

EP 14783643 A 20141013

Priority

- DE 102013220668 A 20131014
- EP 2014071856 W 20141013

Abstract (en)

[origin: WO2015055565A1] An impeller (4) for a side channel flow machine (2) has impeller blades the inlet region (15) of which is off-set from the outlet region (16). The inlet region (15) is connected to the outlet region (16) via a sloped transition region (17). The impeller allows a high degree of efficiency of the side channel flow machine (2) and can be produced at particularly low cost.

IPC 8 full level

F04D 5/00 (2006.01); **F04D 23/00** (2006.01); **F04D 29/18** (2006.01)

CPC (source: EP US)

F04D 5/002 (2013.01 - EP US); **F04D 17/10** (2013.01 - US); **F04D 23/008** (2013.01 - EP US); **F04D 25/06** (2013.01 - US); **F04D 29/188** (2013.01 - EP US); **F04D 29/26** (2013.01 - US)

Citation (search report)

See references of WO 2015055565A1

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)

DE 102013220668 A1 20150416; CN 105683580 A 20160615; EP 3058230 A1 20160824; US 10273960 B2 20190430; US 2016258436 A1 20160908; WO 2015055565 A1 20150423

DOCDB simple family (application)

DE 102013220668 A 20131014; CN 201480056107 A 20141013; EP 14783643 A 20141013; EP 2014071856 W 20141013; US 201415029205 A 20141013