

Title (en)
SIDE-CHANNEL BLOWER/ASPIRATOR WITH AN IMPROVED IMPELLER

Title (de)
SEITENKANAL BLÄSER/SAUGER MIT VERBESSERTEM LAUFRAD

Title (fr)
SOUFFLEUR/ASPIRATEUR À CANAL LATÉRAL AVEC HÉLICE AMÉLIORÉE

Publication
EP 3199817 A1 20170802 (EN)

Application
EP 16153459 A 20160129

Priority
EP 16153459 A 20160129

Abstract (en)
The side-channel blower / aspirator (1), comprises an impeller (2) equipped with a plurality of blades (21) and a casing (13, 14), in which the impeller (2) is enclosed and within which an annular conduit (C) is defined in which the blades (21) rotate. The blades (21) comprise at least one transversally curved portion, defining a concavity (23) facing the advancement direction of the blades (21) within said conduit (C).

IPC 8 full level
F04D 23/00 (2006.01); **F04D 29/28** (2006.01); **F04D 29/30** (2006.01)

CPC (source: EP)
F04D 23/008 (2013.01); **F04D 29/281** (2013.01); **F04D 29/30** (2013.01)

Citation (search report)
• [X] US 4325672 A 19820420 - SIXSMITH HERBERT, et al
• [X] JP H01121598 A 19890515 - DAIKIN IND LTD
• [XA] DE 19955955 A1 20010613 - SIEMENS AG [DE]

Cited by
US11644044B2

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)
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