

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 3199818 A1 20170802 (EN)

Application
EP 16153463 A 20160129

Priority
EP 16153463 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 portion which has a face (200) comprising a plurality of planes (201, 202, 203, 204, 205) at an angle to one another, 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)

- [XA] DE 19955955 A1 20010613 - SIEMENS AG [DE]
- [XA] DE 102014106440 A1 20151112 - BECKER GMBH GEBR [DE]
- [XA] DE 102007053017 A1 20090507 - GARDNER DENVER DEUTSCHLAND GMB [DE]
- [XA] DE 20214104 U1 20030403 - NASH ELMO IND GMBH [DE]

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

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