

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

Title (de)
SEITENKANAL BLÄSER/SAUGER MIT VERBESSERTEM LAUFRAD

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

Publication
EP 3199816 B1 20210526 (EN)

Application
EP 16153453 A 20160129

Priority
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Abstract (en)
[origin: EP3199816A1] 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 longitudinally curved portion, defining a concavity (23) facing the advancement direction of the blades (21) within the conduit.

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

CPC (source: EP US)
F04D 17/16 (2013.01 - US); **F04D 23/008** (2013.01 - EP US); **F04D 29/281** (2013.01 - EP US); **F04D 29/30** (2013.01 - EP US)

Citation (examination)
US 2006269394 A1 20061130 - ISHIKAWA SHIZU [JP], et al

Designated contracting state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
EP 16153453 A 20160129; DK 16153453 T 20160129; ES 16153453 T 20160129; PL 16153453 T 20160129; US 201715415282 A 20170125