

Title (en)
Impeller for a radial fan

Title (de)
Radialgebläserad

Title (fr)
Roue pour un ventilateur radiale

Publication
EP 2196679 A3 20131218 (DE)

Application
EP 10157619 A 20050729

Priority
• EP 05768016 A 20050729
• DE 202004012015 U 20040731

Abstract (en)
[origin: EP2196679A2] The radial fan impeller (1) has a number of circumferentially distributed blades (2) which on the inlet side (16) over their radial extent to the outlet section (6) are connected to a shroud disc (20) which has a central inlet opening (22) running into the inner inlet section (4) of the impeller. Radially shorter intermediate blades (28) are connected to the shroud disc and installed in regions between adjacent blades and from the outer circumference of the shroud disc extend only over a part of the radial extent of the shroud disc and end at a radial distance from the hub (24).

IPC 8 full level
F04D 29/28 (2006.01); **F04D 29/02** (2006.01)

CPC (source: EP US)
F04D 29/023 (2013.01 - EP US); **F04D 29/281** (2013.01 - EP US); **F04D 29/284** (2013.01 - EP US); **F05D 2230/53** (2013.01 - EP US); **F05D 2300/43** (2013.01 - EP US)

Citation (search report)
• [A] FR 2335714 A1 19770715 - WEBASTO WERK BAIER KG W [DE]
• [A] US 6139274 A 20001031 - HEER SIEGFRIED [AT]
• [A] US 3479017 A 19691118 - THIKOTTER KLAUS HERMANN

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EP3530956A1; US11067095B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 202004012015 U1 20051222; AT E544953 T1 20120215; EP 1774180 A2 20070418; EP 1774180 B1 20120208; EP 2196679 A2 20100616; EP 2196679 A3 20131218; EP 2196679 B1 20151125; US 2008292464 A1 20081127; US 2010098544 A1 20100422; US 7794206 B2 20100914; US 8109731 B2 20120207; WO 2006013067 A2 20060209; WO 2006013067 A3 20061228

DOCDB simple family (application)
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