

Title (en)
Electric motor with impeller wheel

Title (de)
Elektromotor mit Gebläserad

Title (fr)
Moteur électrique avec roue de ventilateur

Publication
EP 2808553 B1 20171122 (DE)

Application
EP 14169375 A 20140522

Priority
DE 102013105536 A 20130529

Abstract (en)
[origin: JP2014231836A] PROBLEM TO BE SOLVED: To further improve a blower impeller, in particular, in a fluid technology. SOLUTION: A blower impeller 3 has a blower impeller shaft x and a blower impeller blade 7 covered by a corotated cover part 8 and having an axially-extended portion, and is mounted on a rotor of a motor 1. The cover part 8 covers half or more of the axially-extended portion of the blower impeller blade 7 in the direction of the shaft x at a radial outer side.

IPC 8 full level
F04D 29/28 (2006.01); **F04D 29/70** (2006.01); **F04D 31/00** (2006.01)

CPC (source: EP)
F04D 29/281 (2013.01); **F04D 29/706** (2013.01); **F05D 2250/70** (2013.01)

Cited by
DE102020118595A1; WO2022012957A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2808553 A2 20141203; EP 2808553 A3 20141210; EP 2808553 B1 20171122; CN 104214134 A 20141217; CN 104214134 B 20180410; DE 102013105536 A1 20141204; ES 2654626 T3 20180214; JP 2014231836 A 20141211

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EP 14169375 A 20140522; CN 201410362783 A 20140529; DE 102013105536 A 20130529; ES 14169375 T 20140522; JP 2014108396 A 20140526