

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)  
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

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