

Title (en)  
BLOWER WHEEL

Title (de)  
GEBLÄSERAD

Title (fr)  
ROUE DE SOUFFLANTE

Publication  
**EP 3645892 B1 20240501 (DE)**

Application  
**EP 18729653 A 20180605**

Priority  
• DE 102017114679 A 20170630  
• EP 2018064777 W 20180605

Abstract (en)  
[origin: WO2019001912A1] The invention relates to a blower wheel comprising a plurality of blower wheel blades arranged in a blade ring, which are connected on at least one axial side to a disc covering the blower wheel blades at least in sections, wherein a connection between the blower wheel blades and the disc determines a transition geometry, which has a rounded course of a quadratic function, when viewed in the cross-section, at least on one side of the blower wheel blades, in particular a side pointing radially inwards relative to an axis of rotation of the blower wheel.

IPC 8 full level  
**F04D 29/28** (2006.01); **F04D 29/30** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP US)  
**F04D 29/281** (2013.01 - US); **F04D 29/282** (2013.01 - EP); **F04D 29/30** (2013.01 - EP US); **F04D 29/666** (2013.01 - EP);  
**F04D 29/666** (2013.01 - US)

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)  
**WO 2019001912 A1 20190103**; CN 207513921 U 20180619; DE 102017114679 A1 20190103; EP 3645892 A1 20200506;  
EP 3645892 B1 20240501; US 11421704 B2 20220823; US 2020040904 A1 20200206

DOCDB simple family (application)  
**EP 2018064777 W 20180605**; CN 201721206770 U 20170919; DE 102017114679 A 20170630; EP 18729653 A 20180605;  
US 201816603271 A 20180605