

Title (en)
CENTRIFUGAL FAN

Title (de)
ZENTRIFUGALGEBLÄSE

Title (fr)
VENTILATEUR CENTRIFUGE

Publication
EP 3623637 A1 20200318 (EN)

Application
EP 19196942 A 20190912

Priority
TW 107132408 A 20180914

Abstract (en)
A centrifugal fan includes a casing (1) and an impeller module (2). The casing (1) defines an accommodating space (100) having an air inlet (101) and an air outlet (102). The impeller module (2) is mounted in the accommodating space (100) and is rotatable about an axis for allowing air flow to enter from the air inlet (101) and then exit from the air outlet (102). The impeller module (2) includes a body (20) and a plurality of blade units (21) connected to and annularly distributed along a circumference of the body (20). Each of the blade units (21) has a plurality of blades (211) that are equi-angularly arranged along the circumference of the body (20). A blade spacing which is defined between each adjacent pair of the blades (211) of one of the blade units (21) is different from a blade spacing which is defined between each adjacent pair of the blades (211) of another one of the blade units (21).

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 - EP US); **F04D 29/30** (2013.01 - EP); **F04D 29/666** (2013.01 - EP)

Citation (search report)
• [X] WO 2018127970 A1 20180712 - MITSUBISHI ELECTRIC CORP [JP]
• [X] US 2014127022 A1 20140508 - CHENG YI-LUN [TW], et al
• [X] EP 1253325 A2 20021030 - BLACK & DECKER INC [US]
• [X] DE 165330 C

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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3623637 A1 20200318; TW 202010945 A 20200316; US 2020088209 A1 20200319

DOCDB simple family (application)
EP 19196942 A 20190912; TW 107132408 A 20180914; US 201916567249 A 20190911