

Title (en)
CENTRIFUGAL BLOWER AND AIR CONDITIONER PROVIDED WITH SAME

Title (de)
ZENTRIFUGALGEBLÄSE UND KLIMAANLAGE DAMIT

Title (fr)
VENTILATEUR CENTRIFUGE ET CLIMATISEUR POURVU DE CELUI-CI

Publication
EP 4098885 A4 20230118 (EN)

Application
EP 20916541 A 20200130

Priority
JP 2020003435 W 20200130

Abstract (en)
[origin: EP4098885A1] A centrifugal fan includes a backing plate to be driven to rotate, an annular rim facing the backing plate, and a plurality of blades disposed between the backing plate and the rim. Each of the plurality of blades has a trailing edge positioned on a positive side in an anti-rotational direction relative to a leading edge. The trailing edge includes a first trailing edge junction being a junction with the backing plate, and a second trailing edge junction being a junction with the rim. The second trailing edge junction is positioned on a positive side in the anti-rotational direction relative to the first trailing edge junction. The first trailing edge junction and the second trailing edge junction include a trailing-edge straight portion parallel to a rotational axis of the backing plate.

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

CPC (source: EP)
F04D 29/281 (2013.01); **F04D 29/30** (2013.01); **F05D 2240/303** (2013.01); **F05D 2240/304** (2013.01)

Citation (search report)
No further relevant documents disclosed

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4098885 A1 20221207; **EP 4098885 A4 20230118**; JP 7378505 B2 20231113; JP WO2021152775 A1 20210805;
WO 2021152775 A1 20210805

DOCDB simple family (application)
EP 20916541 A 20200130; JP 2020003435 W 20200130; JP 2021574366 A 20200130