

Title (en)
METHOD FOR MOVING AIR

Title (de)
VERFAHREN ZUR BEWEGUNG VON LUFT

Title (fr)
SYSTEME DE MISE EN MOUVEMENT D'AIR

Publication
EP 3710710 A1 20200923 (FR)

Application
EP 18812240 A 20181106

Priority
• FR 1760648 A 20171113
• FR 2018052744 W 20181106

Abstract (en)
[origin: WO2019092358A1] A system for moving air (4), comprising: - a centrifugal impeller (7) rotating about an axis of rotation (A), the centrifugal impeller (7) comprising a plurality of impeller blades (8) configured to generate an airflow, and a base plate (9) comprising a first plate face (9.1) from which the impeller blades (8) project, and a second plate face (9.2) opposite the first plate face (9.1), and - a drive motor (18) configured to rotate the centrifugal impeller (7) about the axis of rotation (A), the base plate (9) comprising a plurality of corrugations (14) which are circular and concentric, the plurality of corrugations comprising at least one concave corrugation (14.1) and at least one convex corrugation (14.2), the base plate (9) having a peripheral portion (12) extending opposite the impeller blades and globally parallel to the axis of rotation (A) of the centrifugal impeller (7), characterised in that the base plate (9) comprises a central portion (11) comprising the plurality of corrugations, the central portion (11) of the base plate (9) extending globally perpendicular to the axis of rotation (A) of the centrifugal impeller (7).

IPC 8 full level
F04D 29/28 (2006.01); **A45D 20/12** (2006.01); **F04D 17/16** (2006.01); **F04D 29/42** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP)
A45D 20/10 (2013.01); **A45D 20/12** (2013.01); **F04D 17/165** (2013.01); **F04D 29/282** (2013.01); **F04D 29/666** (2013.01); **F04D 29/667** (2013.01); **F04D 29/288** (2013.01); **F04D 29/4253** (2013.01); **F05D 2250/611** (2013.01); **F05D 2250/711** (2013.01); **F05D 2250/712** (2013.01)

Citation (search report)
See references of WO 2019092358A1

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)
WO 2019092358 A1 20190516; CN 109779932 A 20190521; CN 109779932 B 20220621; CN 209704870 U 20191129; EP 3710710 A1 20200923; FR 3073580 A1 20190517; FR 3073580 B1 20211119

DOCDB simple family (application)
FR 2018052744 W 20181106; CN 201811345867 A 20181113; CN 201821863804 U 20181113; EP 18812240 A 20181106; FR 1760648 A 20171113