

Title (en)  
AIR GUIDE ASSEMBLY

Title (de)  
LUFTLEITANORDNUNG

Title (fr)  
DISPOSITIF DE CONDUITE D'AIR

Publication  
**EP 3372838 A1 20180912 (DE)**

Application  
**EP 18160318 A 20180306**

Priority  
DE 102017104779 A 20170307

Abstract (en)  
[origin: CN207033842U] The utility model relates to an air guiding device (1), the ventilation equipment of its design for being arranged in the room air technique, ventilation equipment has channel shape's shell (30) and arranges air transportation equipment (40) on the cross -section (E) in shell (30), wherein the side is being flowed including at least one baffle group (20) that has relative air baffle (21) of orientation each other in air guiding device (1), it has wind path channel (2) wherein to design between inside (31) of air baffle (21) and shell (30) of baffle group (20), and air baffle (21) that are used for obtaining diffusion effect are arranged as follows like this, promptly: strengthen at least in part be used for from air transportation equipment (40) carry the air that comes along the effectively flow cross -section of flow direction (S) and/or change the air the angle of attack or along the orientation of flow direction (S). Consequently can discharge the better air carried among the centrifugal fan or gaseous and improve effectiveness coefficient.

Abstract (de)  
Die Erfindung betrifft eine Luftleitanordnung (1) ausgebildet für eine raumluftechnische Lüftungsanlage mit einem kanalförmigen Gehäuse (30) und einem auf einer Querschnittsebene (E) in dem Gehäuse (30) angeordneten Radialventilator (40), wobei die Luftleitanordnung (1) abströmseitig wenigstens eine Leitblechformation (20) aus mehreren relativ zueinander orientierter Luftleitbleche (21) umfasst, wobei ein Luftdurchtrittskanal (2) zwischen den Luftleitblechen (21) der Leitblechformationen (20) und dem Inneren (31) des Gehäuses (30) so ausgebildet wird.

IPC 8 full level  
**F04D 17/16** (2006.01); **F04D 29/42** (2006.01); **F04D 29/44** (2006.01); **F04D 29/66** (2006.01)

CPC (source: EP)  
**F04D 17/165** (2013.01); **F04D 29/4253** (2013.01); **F04D 29/441** (2013.01); **F04D 29/444** (2013.01); **F04D 29/666** (2013.01); **F04D 29/667** (2013.01); **F24F 7/007** (2013.01); **F04D 29/664** (2013.01); **F04D 29/665** (2013.01); **F05D 2230/54** (2013.01); **F05D 2250/52** (2013.01)

Citation (search report)  
• [X] DE 9110195 U1 19911024  
• [X] EP 2574794 A2 20130403 - TROX GMBH GEB [DE]  
• [X] FR 1260792 A 19610512 - NEU SA  
• [A] US 2013118352 A1 20130516 - BERLING UDO [DE]  
• [A] FR 1603749 A 19710524  
• [A] JP 2016114047 A 20160623 - SAMSUNG ELECTRONICS CO LTD

Cited by  
CN112780608A; CN112840129A; US11428238B2; US11913471B2; WO2020094443A1; WO2020099183A1

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)  
**DE 202017101353 U1 20170509**; CN 207033842 U 20180223; DE 102017104779 A1 20180913; EP 3372838 A1 20180912; EP 3372838 B1 20200916

DOCDB simple family (application)  
**DE 202017101353 U 20170307**; CN 201720570440 U 20170522; DE 102017104779 A 20170307; EP 18160318 A 20180306