

Title (en)
AIR GUIDING DUCT

Title (de)
LUFTFÜHRUNGSKANAL

Title (fr)
CONDUIT DE GUIDAGE D'AIR

Publication
EP 4354066 A1 20240417 (EN)

Application
EP 22201679 A 20221014

Priority
EP 22201679 A 20221014

Abstract (en)
Air guiding duct (1) for a heating device (2), in particular for a heat pump, the heating device (2) having a heat exchanger (3) and at least a fan element (4) arranged in an internal space (5) of the heating device (2), the air guiding duct (1) having a connection region (6) for receiving at least a portion of the heat exchanger (3) in an inlet region (7) and for receiving at least a portion of the fan element (4) in an outlet region (8), wherein at least a portion of the connection region (6) has a surface roughness lower than 250 µm, in particular lower than 100 µm.

IPC 8 full level
F28D 1/02 (2006.01); **F24F 1/00** (2019.01); **F24F 1/38** (2011.01)

CPC (source: EP)
F04D 19/002 (2013.01); **F04D 29/545** (2013.01); **F04D 29/5826** (2013.01); **F24F 1/38** (2013.01); **F24F 1/48** (2013.01); **F24F 13/029** (2013.01); **F24H 4/02** (2013.01); **F24H 9/02** (2013.01); **F28D 1/024** (2013.01); **F24H 4/04** (2013.01); **F28D 2021/0068** (2013.01)

Citation (applicant)
EP 2354709 A2 20110810 - STIEBEL ELTRON GMBH & CO KG [DE]

Citation (search report)

- [XY] EP 3581835 A1 20191218 - PLUGGIT GMBH [DE]
- [Y] CN 113310165 B 20220719
- [Y] CN 105701067 A 20160622 - UNIV XIAN ARCHITECTUR & TECH
- [YD] EP 2354709 A2 20110810 - STIEBEL ELTRON GMBH & CO KG [DE]
- [Y] DE 2643316 A1 19780330 - AIRCLEAN GES FUER KLIMA LUFTTE
- [Y] WO 2004013543 A1 20040212 - AL P S R L [IT], et al
- [Y] EP 1959209 A2 20080820 - MAICO ELEKTROAPP FABRIK GMBH [DE]

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

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