

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)
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Designated extension state (EPC)
BA

Designated validation state (EPC)
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