

Title (en)
OIL HEATER

Title (de)
ÖLERHITZER

Title (fr)
APPAREIL DE CHAUFFAGE À HUILE

Publication
EP 3460343 A4 20190522 (EN)

Application
EP 16920326 A 20161230

Priority
• CN 201610974401 A 20161028
• CN 201621193373 U 20161028
• CN 2016113777 W 20161230

Abstract (en)
[origin: EP3460343A1] An oil heater (100), comprising: two oil pipes (1) arranged at intervals vertically; and multiple cooling fins (2), both ends of the cooling fins (2) being provided on the two oil pipes (1), separately. An oil way channel in communication with the two oil pipes (1) is provided in each cooling fin (2). An air cavity (21) spaced apart from the oil way channel is provided on at least one side edge of each cooling fin (2). Each air cavity (21) is provided with a top air outlet (210). An air inlet (211) is provided on each side wall of opposite side walls of the air cavity (21) on a length direction parallel to the oil pipes (1). Each air inlet (211) is provided with an air guide plate (212) for introducing the air into the air cavity (21).

IPC 8 full level
F24H 3/00 (2006.01); **F24H 9/00** (2006.01); **F24H 9/20** (2006.01); **F28D 1/02** (2006.01); **F28D 1/03** (2006.01)

CPC (source: EP KR US)
F24H 3/004 (2013.01 - EP KR); **F24H 9/0063** (2013.01 - EP KR); **F24H 9/2071** (2013.01 - EP KR US); **F28D 1/0333** (2013.01 - EP); **F28F 1/18** (2013.01 - EP); **F28F 2265/10** (2013.01 - EP)

Citation (search report)
• [XYI] EP 0797056 A2 19970924 - LAMINOX S R L [IT]
• [Y] CN 203671745 U 20140625 - AIRMATER ELECTRICAL APPLIANCE SHENZHEN CO LTD
• [A] EP 0556433 A1 19930825 - MIRALFIN SRL [IT]
• [A] CN 105276660 A 20160127 - GUANGDONG MIDEA ENVIRONMENT APPLIANCES MFG CO LTD, et al
• See references of WO 2018076543A1

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)
EP 3460343 A1 20190327; **EP 3460343 A4 20190522**; JP 2019531451 A 20191031; KR 20190011315 A 20190201; WO 2018076543 A1 20180503

DOCDB simple family (application)
EP 16920326 A 20161230; CN 2016113777 W 20161230; JP 2018566489 A 20161230; KR 20197001206 A 20161230