

Title (en)
DISHWASHING MACHINE

Title (de)
GESCHIRRSPÜLMASCHINE

Title (fr)
LAVE-VAISSELLE

Publication
EP 3851016 A4 20211110 (EN)

Application
EP 19859438 A 20190704

Priority

- CN 201811074701 A 20180914
- CN 201821510972 U 20180914
- CN 2019094710 W 20190704

Abstract (en)
[origin: EP3851016A1] A dishwashing machine (100), comprising a cavity (101), an evaporator air channel (108), a condenser air channel (109), and a heat pump drying system (107). A spraying arm assembly (60) is disposed within the cavity (101). The evaporator air channel (108) and the condenser air channel (109) are spaced apart. The heat pump drying system (107) comprises a compressor (1072), a first condenser (1071), a second condenser (1075), a throttle device (1074), and an evaporator (1073) that are connected together. The first condenser (1071) performs heat exchange with a washing liquid of the spraying arm assembly (60). The second condenser (1075) is disposed at the condenser air channel (109). The evaporator (1073) is disposed at the evaporator air channel (108). The heat pump drying system (107) is configured to heat, by using the second condenser (1075), air discharged from the cavity (101) via the condenser air channel (109), then return the same to the cavity (101), and to use the evaporator (1073) to cool and remove the moisture from air outside of the cavity (101) via the evaporator air channel (108).

IPC 8 full level
A47L 15/16 (2006.01); **A47L 15/42** (2006.01); **A47L 15/48** (2006.01)

CPC (source: EP)
A47L 15/483 (2013.01); **A47L 15/4285** (2013.01); **A47L 15/4291** (2013.01); **A47L 15/488** (2013.01); **F25B 2339/047** (2013.01)

Citation (search report)

- [X] WO 2015090409 A1 20150625 - ELECTROLUX APPLIANCES AB [SE]
- [A] CN 107543333 A 20180105 - GREE ELECTRIC APPLIANCES INC ZHUHAI
- [A] CN 106852673 A 20170616 - HANGZHOU SANHUA HOME APPLIANCE THERMAL MAN SYSTEM CO LTD
- See also references of WO 2020052332A1

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 3851016 A1 20210721; **EP 3851016 A4 20211110**; WO 2020052332 A1 20200319

DOCDB simple family (application)
EP 19859438 A 20190704; CN 2019094710 W 20190704