

Title (en)
Laundry machine

Title (de)
Waschmaschine

Title (fr)
Machine à laver

Publication
EP 2725133 A3 20160330 (EN)

Application
EP 13189245 A 20131018

Priority
KR 20120117467 A 20121022

Abstract (en)
[origin: US2014109428A1] A heat pump type dryer is provided that enhances supercooling performance using condensation water. The circulation type heat pump dryer may include a cabinet, a drum, a drying duct that circulates dry air, an evaporator, a condenser, a compressor and an expansion apparatus. The condenser may include a first condenser that liquefies a high-temperature, high-pressure refrigerant circulated from the compressor, and a second condenser that condenses the refrigerant condensed by the first condenser again. The second condenser may be formed below a condensation water level, the condensation water being accumulated at a lower portion of the drying duct, below the first condenser, to cool the second condenser using condensation water chilled by the evaporator.

IPC 8 full level
D06F 58/20 (2006.01); **D06F 58/24** (2006.01)

CPC (source: CN EP KR US)
D06F 58/04 (2013.01 - KR); **D06F 58/206** (2013.01 - CN EP KR US); **D06F 58/24** (2013.01 - CN EP KR US)

Citation (search report)

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- [IY] DE 4409607 A1 19941027 - MIELE & CIE [DE]
- [Y] CN 2595848 Y 20031231 - HUADONG SHIP INDUSTRY COLLEGE [CN]
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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 202013104695 U1 20140122; AU 2013245540 A1 20140508; AU 2013245540 B2 20151203; BR 102013026927 A2 20150428; BR 102013026927 B1 20210720; BR 102013026927 B8 20211214; CN 103774402 A 20140507; CN 103774402 B 20170301; EP 2725133 A2 20140430; EP 2725133 A3 20160330; EP 2725133 B1 20171206; KR 101989522 B1 20190930; KR 20140050980 A 20140430; US 2014109428 A1 20140424

DOCDB simple family (application)
DE 202013104695 U 20131018; AU 2013245540 A 20131018; BR 102013026927 A 20131018; CN 201310492621 A 20131018; EP 13189245 A 20131018; KR 20120117467 A 20121022; US 201314057212 A 20131018