

Title (en)
AIR CONDENSER AND CLOTHES-DRYING MACHINE

Title (de)
LUFTKONDENSATOR UND WÄSCHETROCKNUNGSMASCHINE

Title (fr)
CONDENSEUR À AIR ET MACHINE À SÉCHER LE LINGE

Publication
EP 3255201 A4 20181219 (EN)

Application
EP 15880861 A 20150715

Priority

- CN 201510057233 A 20150204
- CN 2015084070 W 20150715

Abstract (en)
[origin: EP3255201A1] Disclosed are an air condenser (1) and a clothes dryer. The air condenser includes condensing air ducts (j) and a cooling pipeline (i) arranged crosswise. The condensing air ducts (j) include a first group of condensing air ducts and a second group of condensing air ducts, wherein air inlet ducts of the first group of condensing air ducts and air outlet ducts of the second group of condensing air ducts are at least partially arranged in a heat exchangeable manner; and air outlet ducts of the first group of condensing air ducts and air inlet ducts of the second group of condensing air ducts are at least partially arranged in a heat exchangeable manner. By arranging the first and the second groups of condensing air ducts which can partially perform heat exchange on the air condenser (1), heat exchange is performed between high-temperature and high-humidity air flowing out of a drum (3) of the clothes dryer and air condensed by the air condenser (1) to enter a heater (2), so that waste heat of high-temperature air in the condensing air ducts (j) can be effectively recycled, and loss of heat is reduced, thereby achieving a purpose of saving energy while increasing heat exchange efficiency.

IPC 8 full level
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CPC (source: EP KR US)
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Citation (search report)

- [XAI] CN 102517861 A 20120627 - HAIER GROUP CO LTD, et al
- [A] EP 1939571 A2 20080702 - LG ELECTRONICS INC [KR]
- [A] US 2010122794 A1 20100520 - MOOIJ JOHANNES DIRK [NL]
- [A] WO 2008111732 A1 20080918 - IAC IN NAT UNIV CHUNGNAM [KR], et al
- See references of WO 2016123906A1

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