

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 B1 20200909 (EN)

Application
EP 15880861 A 20150715

Priority

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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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