

Title (en)
Clothes dryer

Title (de)
Wäschetrockner

Title (fr)
Sèche-linge

Publication
EP 2725133 A2 20140430 (EN)

Application
EP 13189245 A 20131018

Priority
KR 20120117467 A 20121022

Abstract (en)
The present disclosure relates to a heat pump type clothes dryer for enhancing extra-cooling performance using condensation water, and relates to a clothes dryer in which a second condenser 141 is added to a first condenser 140 in the clothes dryer employing a heat pump to maximize a condensation effect so as to enhance heat exchange efficiency, and moreover, condensation water generated from the heat exchanger unit is used for the cooling of the second condenser 141 to improve the condensation effect. Accordingly, the clothes dryer of the present disclosure may be a circulation type heat pump clothes dryer including a cabinet 100, a drum 110, a drying duct 190 configured to circulate dry air by resupplying it thereto, an evaporator 130 having a heat pump, a condenser 140, a compressor 150 and an expansion apparatus 160, wherein the condenser includes a first condenser 140 configured to liquefy a high-temperature and high-pressure refrigerant circulated from the compressor 150; and a second condenser 141 configured to condense the refrigerant condensed from the first condenser 140 again, and the second condenser 141 is formed below a condensation water surface accumulated at a lower portion of the drying duct 190 at a lower portion of the first condenser 140 to cool the second condenser 141 using condensation water generated by the evaporator 130.

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