

Title (en)  
Heat pump

Title (de)  
Wärmepumpe

Title (fr)  
Pompe à chaleur

Publication  
**EP 2865967 A1 20150429 (EN)**

Application  
**EP 14190024 A 20141023**

Priority  
KR 20130126750 A 20131023

Abstract (en)  
The present invention provides a heat pump that includes: a compressor, a switching valve, an indoor heat exchanger, a first expansion valve, and an outdoor heat exchanger, in which the outdoor heat exchanger includes: a primary heat exchanging unit that is connected with the first expansion valve through a refrigerant pipe and through which outdoor air exchanges heat; a secondary heat exchanging unit that is connected with the switching valve through a refrigerant pipe, disposed behind the primary heat exchanging unit in the flow direction of outdoor air, and through which the outdoor air, which has exchanged heat through the primary heat exchanging unit, exchanges heat; a connection pipe that connects the primary heat exchanging unit and the secondary heat exchanging unit with each other; and a second expansion valve that is disposed in the connection pipe. Therefore, it is possible to improve both of cooling performance and heating performance with minimum parts and a simple structure.

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