Title (en)

Laundry drying machine

Title (de)

Wäschetrocknermaschine

Title (fr)

Machine pour sécher le linge

Publication

EP 2650425 A1 20131016 (EN)

Application

EP 12163954 A 20120412

Priority

EP 12163954 A 20120412

Abstract (en)

The present invention relates to a laundry drying machine (1) comprising a laundry chamber (9) suitable for receiving the laundry to be dried, an air stream circuit (10) for circulating an air stream through said laundry chamber (9) and a heat pump system (20; 120; 220; 320; 420). The heat pump system (20; 120; 220; 320; 420) comprises a first heat exchanger (21) for heating up the air stream conveyable into the laundry chamber (9) and a second heat exchanger (23) for dehumidifying the moist air of the air stream coming from the laundry chamber (9). The heat pump system (20; 120; 220; 320; 420) comprises a compressor (24) having an outlet (24b) connectable to the first heat exchanger (21) and an inlet (24a) connectable to the second heat exchanger (23) and an expansion device (22) having an outlet (22b) connectable to the second heat exchanger (23) and an inlet connectable to the first heat exchanger (21). The heat pump system (20; 120; 220; 320; 420) further comprises an auxiliary heat exchanger comprising a portion (31; 41; 51; 61; 150) of the heat pump system (20; 120; 220; 320; 420) arranged between the expansion device outlet (22b) and the compressor inlet (24a) and a cooling member (57; 77) associated to an electric and/or an electronic device (25) of the machine (1).

IPC 8 full level

D06F 58/20 (2006.01)

CPC (source: EP US)

D06F 58/206 (2013.01 - EP US); D06F 58/08 (2013.01 - EP US); D06F 58/20 (2013.01 - EP US)

Citation (applicant)

None

Citation (search report)

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EP2801654A1

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)

EP 2650425 A1 20131016; **EP 2650425 B1 20181121**; WO 2013153080 A1 20131017

DOCDB simple family (application)

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