

Title (en)

Method for drying laundry in a laundry drying machine and laundry drying machine

Title (de)

Verfahren zum Trocknen von Wäsche in einem Wäschetrockner und Wäschetrockner

Title (fr)

Procédé de séchage du linge dans un sèche-linge et sèche-linge

Publication

EP 2692940 A1 20140205 (EN)

Application

EP 12178467 A 20120730

Priority

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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 and an air stream circuit (10) for circulating an air stream through the laundry chamber (9). The air stream circuit (10) comprises a dehumidifying unit (23; 123) for dehumidifying the moist air of the air stream coming from the laundry chamber (9) and a heating unit (21; 121) for heating up the dehumidified air leaving the dehumidifying unit (23; 123) and conveyable into the laundry chamber (9). A first air circulation path (25) connects the laundry chamber (9) to the dehumidifying unit (23; 123) and a second air circulation path (26) connects the heating unit (21) to the laundry chamber (9). The machine (1) comprises an auxiliary heat transferring circuit (50) suitable for transferring heat from the first air circulation path (25) to the second air circulation path (26).

IPC 8 full level

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CPC (source: EP US)

D06F 58/206 (2013.01 - EP US); **D06F 58/24** (2013.01 - EP US); **D06F 58/26** (2013.01 - EP US)

Citation (search report)

- [X] DE 2914859 A1 19801030 - BAUKNECHT GMBH G
- [X] GB 2092729 A 19820818 - TECHNOSCRIPT AB
- [X] US 2005066538 A1 20050331 - GOLDBERG MICHAEL [US], et al
- [X] WO 2010140334 A1 20101209 - PANASONIC CORP [JP], et al
- [X] DE 4306215 A1 19940901 - LICENTIA GMBH [DE]
- [A] GB 2375812 A 20021127 - DBK TECHNITHERM LTD [GB]

Cited by

CN107034645A; EP3040470A1; EP3023533A1; CN110331566A; CN106400423A; CN114687178A; US9803313B2; US10240276B2

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