

Title (en)

Household laundry washing and drying machine with a condensing device and method of operating this machine

Title (de)

Haushaltswaschtrockner mit einer Kondensationseinrichtung und Verfahren zum Betreiben dieses Haushaltswaschtrockners

Title (fr)

Machine à laver et sécher le linge domestique avec un dispositif de condensation et procédé de fonctionnement de cette machine

Publication

EP 2634301 A1 20130904 (EN)

Application

EP 12157424 A 20120229

Priority

EP 12157424 A 20120229

Abstract (en)

The present invention relates to a laundry washing and drying machine (1; 61; 71) comprising: an outer casing (2), a tub (3) external to a drum (9) suitable for receiving laundry (10) to be washed and/or dried and an air treating system (5) connecting an air outlet hole (3b) of the tub (3) to an air inlet hole (3a) of the tub (3) for circulating hot air through the tub (3). The air treating system (5) comprises: a condensing device (6) for dehumidifying moist air (H2) coming from the air outlet hole (3b); an air heating device (7) for heating dehumidified air coming from the condensing device (6) and producing hot air (H1) to be conveyed to the inlet hole (3a) and an air circulating device (14; 114; 214) for forcing air through the condensing device (6) and the heating device (7). The air circulating device (14; 114; 214) generates a first air stream for circulating the hot air (H1) through the tub (3) for drying the laundry (10) and generates a second air stream, different from the first air stream, for suction of liquid from the outlet hole (3b) for cleaning the condensing device (14; 114; 214).

IPC 8 full level

D06F 25/00 (2006.01); **D06F 58/22** (2006.01); **D06F 58/24** (2006.01); **D06F 34/14** (2020.01)

CPC (source: EP US)

D06F 58/24 (2013.01 - EP US); **D06F 25/00** (2013.01 - EP US); **D06F 34/14** (2020.02 - EP US); **D06F 58/22** (2013.01 - EP US); **D06F 2103/18** (2020.02 - EP US); **D06F 2105/32** (2020.02 - EP US)

Citation (applicant)

US 5226203 A 19930713 - SACCONATO EMANUELE [IT], et al

Citation (search report)

- [XII] EP 2280115 A1 20110202 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
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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 2634301 A1 20130904; EP 2634301 B1 20191023; WO 2013127823 A1 20130906

DOCDB simple family (application)

EP 12157424 A 20120229; EP 2013053882 W 20130227