

Title (en)

LAUNDRY TREATMENT APPARATUS HAVING HEAT PUMP SYSTEM

Title (de)

WÄSCHEBEHANDLUNGSVORRICHTUNG MIT WÄRMEPUMPENSYSTEM

Title (fr)

APPAREIL DE TRAITEMENT DU LINGE DOTÉ D'UN SYSTÈME DE POMPE À CHALEUR

Publication

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Application

EP 10163744 A 20100525

Priority

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Abstract (en)

The invention relates to a method of operating a laundry treatment apparatus 2, in particular a dryer or a washing machine having dryer function, the apparatus 2 comprising: a storing compartment 6 for storing laundry therein, in particular a rotatable drum, an air circulation channel 20 connected at a first end 22 and at a second end 24 to the storing compartment 6, a blower 26 for blowing the air through the air circulation channel 20 and the storing compartment 6, a heat pump system 10 having an evaporator 14 and a condenser 16 arranged in the air circulation channel 20, and a steam generator 8, 30 arranged within the body 4 of the laundry treatment apparatus 2; the method comprising the steps of: supplying steam generated by the steam generator 8, 30 into the air circulation channel 20 and/or the storing compartment 6, and at the same time at least for an overlapping period, operating the heat pump system 10.

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

- DE 3113471 A1 19821021 - LICENTIA GMBH [DE]
- EP 1650343 A1 20060426 - SANYO ELECTRIC CO [JP]
- EP 0999302 B1 20030820 - WHIRLPOOL CO [US], et al
- EP 1983094 A1 20081022 - SANYO ELECTRIC CO [JP]
- WO 2007023510 A1 20070301 - RENZACCI SPA [IT], et al
- DE 102005041145 A1 20070301 - ALPHA INNOTECH GMBH [DE]

Citation (search report)

- [X] DE 102006003552 A1 20070503 - CURTIUS FRITZ [DE]
- [X] EP 1961857 A1 20080827 - ELECTROLUX HOME PROD CORP [BE]
- [A] DE 102005041145 A1 20070301 - ALPHA INNOTECH GMBH [DE]
- [A] EP 1650343 A1 20060426 - SANYO ELECTRIC CO [JP]

Cited by

EP3868948A1; EP3875675A1; EP2826909A1; US10351989B2; EP3505040A1; EP4049579A1; WO2020102918A1; WO2015003741A1; US11761142B2; US11859342B2

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