

Title (en)

Steam separator and method of separating steam and water in a laundry appliance

Title (de)

Dampfseparator und Verfahren zum Trennen von Dampf und Wasser in einer Waschmaschine

Title (fr)

Séparateur de vapeur et procédé de séparation de vapeur et eau dans un appareil de lavage du linge

Publication

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Application

EP 09168038 A 20090818

Priority

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Abstract (en)

The steam separator 9 according to the present invention comprises an inlet 17 for a water/steam mixture W+S, a water outlet 18 and a steam outlet 19, wherein the inlet 17 and the water outlet 18 are connected by an open drain channel 20. The method of separating steam S and water W in a steam separator 9 comprises that a mixture of steam and water S+W is fed into an inlet 17 of a steam separator 9; within the steam separator 9, the water W is flowed along an open drain channel 20 to a water outlet 18 of the steam separator 9; and within the steam separator 9, the steam S is risen up to a steam outlet 19 of the steam separator 9. In particular, the inventive steam separator 9 is dedicated to use in a laundry appliance, preferably a refresher dryer 1.

IPC 8 full level

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CPC (source: EP US)

D06F 39/40 (2024.01 - EP US); **F22B 37/26** (2013.01 - EP US); **D06F 33/65** (2020.02 - EP US)

Citation (applicant)

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- EP 1026306 B1 20031105 - EURO STAR SRL [IT]
- US 4207683 A 19800617 - HORTON ROBERTA J [US]

Citation (search report)

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- [XI] FR 904913 A 19451120
- [XII] US 2009126414 A1 20090521 - KIM JONG SEOK [KR], et al

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DOCDB simple family (application)

EP 09168038 A 20090818; CN 201080036209 A 20100817; EP 10743142 A 20100817; EP 2010061964 W 20100817; PL 10743142 T 20100817