

Title (en)
Washer-dryer machine

Title (de)
Wasch- und Trocknungsmaschine

Title (fr)
Machine à laver/sécher

Publication
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Application
EP 12197887 A 20121218

Priority
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Abstract (en)
Washer-dryer machine (1) comprising a chamber (10) for receiving goods, an air circuit (90) configured to circulate air through the chamber (10), and a heat pump system (20) comprising: - a first heat exchanger (22), a second heat exchanger (24) and a compressor (26) that form a first refrigerant circuit (27) configured to circulate a refrigerant, the first heat exchanger (22) being configured to cool said refrigerant and to heat the air in said air circuit (90), the second heat exchanger (24) being configured to heat said refrigerant and to dehumidify the air in said circuit, - a third heat exchanger (25) arranged outside the air circuit (90), the third heat exchanger (25) forming with the first heat exchanger (22) and the compressor (26) a second refrigerant circuit (28) configured to circulate said refrigerant bypassing said second heat exchanger (24), the third heat exchanger (25) being configured to heat said refrigerant, and - a switching element (23) configured to selectively circulate said refrigerant into the first refrigerant circuit (27), during a drying cycle of the washer-dryer machine (1), and into the second refrigerant circuit (28), during a washing cycle of the washer-dryer machine (1) wherein air in said air circuit (90) is heated by the first heat exchanger (22).

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Citation (applicant)
US 2010107703 A1 20100506 - HISANO KOJI [JP], et al

Citation (search report)
• [A] EP 1983094 A1 20081022 - SANYO ELECTRIC CO [JP]
• [A] JP 2010069194 A 20100402 - PANASONIC CORP
• [A] EP 2390397 A1 20111130 - ELECTROLUX HOME PROD CORP [BE]
• [A] EP 2436818 A1 20120404 - PANASONIC CORP [JP]

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DOCDB simple family (application)
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