

Title (en)

Heat-pump laundry treatment apparatus and method of operating a compressor

Title (de)

Wäschebehandlungsvorrichtung mit Wärmepumpe und Verfahren für den Betrieb eines Kompressors

Title (fr)

Appareil de traitement de linge à pompe à chaleur et procédé de fonctionnement d'un compresseur

Publication

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Application

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Priority

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Abstract (en)

The invention relates to a method of operating a compressor (14) in a laundry treatment apparatus, in particular laundry dryer or washer-dryer, wherein the laundry treatment apparatus comprises a heat-pump system having a compressor (14) adapted to circulate a refrigerant (6) through the heat-pump system during a laundry drying operation and wherein the laundry treatment apparatus comprises a control unit (51) controlling the operation of the laundry treatment apparatus. In case that the operation of the compressor (14) is suspended, the operation of the compressor (14) is restarted upon receiving a restarting signal. The value of power or current (I_{comp}) supplied to the compressor (14) after restarting the compressor operation is monitored and the compressor operation is maintained or suspended again in dependency of the monitored value of power or current (I_{comp}). Further the invention relates to a laundry treatment apparatus adapted to implement the method.

IPC 8 full level

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CPC (source: EP US)

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Citation (applicant)

EP 1541745 B1 20100929 - PANASONIC CORP [JP]

Citation (search report)

- [X1] EP 2527520 A1 20121128 - ELECTROLUX HOME PROD CORP [BE]
- [IAY] CA 2752932 A1 20130322 - GEN ELECTRIC [US]
- [AD] EP 1541745 B1 20100929 - PANASONIC CORP [JP]
- [A] JP 2006061353 A 20060309 - MATSUSHITA ELECTRIC IND CO LTD
- [Y] WO 2013050262 A1 20130411 - ARCELIK AS [TR], et al
- [E] EP 2679718 A1 20140101 - ELECTROLUX HOME PROD CORP [BE]
- [A] US 2012102779 A1 20120503 - BEERS DAVID G [US], et al

Cited by

EP4050153A4; CN106436227A; EP3124678A1; CN106400430A; US11186943B2; US11761141B2

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