

Title (en)

Thermoelectric heat pump, heat exchanger, household appliance and method for operating a household appliance

Title (de)

Thermoelektrische Wärmepumpe, Wärmetauscher, Haushaltsgerät und Verfahren zum Betreiben eines Haushaltsgeräts

Title (fr)

Pompe à chaleur thermo-électrique, échangeur thermique, appareil domestique et procédé pour commander un appareil domestique

Publication

**EP 2578741 A1 20130410 (EN)**

Application

**EP 11183858 A 20111004**

Priority

EP 11183858 A 20111004

Abstract (en)

There is disclosed a dishwasher (1) comprising a rinsing chamber (4) for cleaning dishes. For drying rinsed dishes by process air (48) the latter can be discharged from the rinsing chamber and can be dried and heated via a heat exchanger (16). Downstream of the heat exchanger the process air is supplied to the rinsing chamber. The heat exchanger (16) includes a thermoelectric heat pump (62,64) for cooling and drying the process air, wherein waste heat of the heat pump is discharged through a heat pipe (66,68).

IPC 8 full level

**D06F 58/20** (2006.01); **A47L 15/00** (2006.01); **A47L 15/48** (2006.01); **F25B 21/02** (2006.01)

CPC (source: EP US)

**A47L 15/0013** (2013.01 - EP US); **A47L 15/0047** (2013.01 - EP); **A47L 15/483** (2013.01 - EP); **A47L 15/486** (2013.01 - EP); **F25B 21/02** (2013.01 - EP); **A47L 2401/18** (2013.01 - EP); **A47L 2401/19** (2013.01 - EP); **A47L 2501/11** (2013.01 - EP); **D06F 58/206** (2013.01 - EP US); **F25B 2321/0252** (2013.01 - EP)

Citation (applicant)

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Citation (search report)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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