

Title (en)

Household appliance comprising a first air conduit and a heat pump

Title (de)

Haushaltsgerät mit einer ersten Luftleitung und einer Wärmepumpe

Title (fr)

Dispositif domestique comprenant un premier conduit d'air et une pompe à chaleur

Publication

EP 2071069 A1 20090617 (EN)

Application

EP 07380356 A 20071211

Priority

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Abstract (en)

The invention relates to a household appliance 1 comprising a housing 2, a drying chamber 3 for drying wet articles 6 therein, a first air conduit 7 for guiding process air drawn into said housing 2 to dry the articles 6 and a heat pump 12, 13, 14, 15, 16, 17, said heat pump 12, 13, 14, 15, 16, 17 comprising a heat sink 14 for transferring heat into said heat pump 12, 13, 14, 15, 16, 17, a heat source 13 coupled to said first air conduit 7 for transferring heat from said heat pump 12, 13, 14, 15, 16, 17 into the process air. Said heat sink 14 is coupled to a second air conduit 18 for guiding secondary air drawn into said housing 2, for transferring heat from the secondary air into said heat pump 12, 13, 14, 15, 16, 17.

IPC 8 full level

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CPC (source: EP US)

D06F 58/206 (2013.01 - EP US); **D06F 58/24** (2013.01 - EP US); **D06F 58/26** (2013.01 - EP US)

Citation (applicant)

- JP 2004089415 A 20040325 - MATSUSHITA ELECTRIC IND CO LTD
- EP 0467188 B1 20010404 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al
- WO 2006029953 A1 20060323 - BSH BOSCH SIEMENS HAUSGERAETE [DE], et al
- DE 19738735 C2 20030220 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- EP 1672294 A2 20060621 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- EP 1672295 A2 20060621 - BSH BOSCH SIEMENS HAUSGERAETE [DE]

Citation (search report)

- [A] DE 4330456 C1 19950316 - BLOMBERG WERKE GMBH [DE]
- [A] US 2006117593 A1 20060608 - AHN SEUNG P [KR], et al

Cited by

EP2690214A1; WO2014016426A3; US11186943B2; US11761141B2

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