Title (en)

Electric household appliance and relative operating method

Title (de)

Elektrisches Haushaltsgerät und Betriebsverfahren dafür

Title (fr)

Appareil domestique électrique et son procédé de fonctionnement

Publication

EP 2077350 B1 20110720 (EN)

Application

EP 07150493 A 20071231

Priority

EP 07150493 A 20071231

Abstract (en)

[origin: EP2077350A1] An electric household appliance (1) having a hot-air generator (7) for feeding/drawing hot air to/from a drying drum (3) along an air-circulating pipe (8); a number of heat exchangers (10, 11) located along the air-circulating pipe (8) to allow a refrigerant to absorb/release heat from/to the airflow circulating in the air-circulating pipe (8); a compression device (9) having movable compression members (9a), and an electric motor (9b) for operating the movable compression members (9a); a fan (14a) for removing heat from the compression device (9); and an electronic central control unit (15), which controls the speed of the electric motor (9b) to achieve an intermediate speed (v int) lower than a maximum speed (v MAX) of the electric motor (9b), and activates/deactivates the fan (14a) to maintain the temperature (T) of the refrigerant within a predetermined range of a target temperature (T o).

IPC 8 full level

D06F 58/20 (2006.01)

CPC (source: EP US)

D06F 58/206 (2013.01 - EP US)

Cited by

CN105862369A; AU2013346941B2; US2012017466A1; US8601717B2; EP2733255A1; CN104854272A; EP2985384A1; EP2733252A1; CN104870710A; AU2013346977B2; EP2284310A1; EP2455526A1; CN103221604A; CN106048969A; US9670612B2; US8833095B2; US10100460B2; US8528227B2; US10294605B2; WO2014076149A1; WO2014076035A1; WO2010012708A1; WO2012065916A1; EP2147999A1

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DOCDB simple family (publication)

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DOCDB simple family (application)

EP 07150493 A 20071231; EP 2008010862 W 20081218; PL 07150493 T 20071231