

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 A1 20090708 (EN)

Application
EP 07150493 A 20071231

Priority
EP 07150493 A 20071231

Abstract (en)
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)

Citation (search report)
• [A] EP 1811077 A1 20070725 - SANYO ELECTRIC CO [JP]
• [A] EP 1632736 A2 20060308 - SANYO ELECTRIC CO [JP], et al
• [A] DE 4409607 A1 19941027 - MIELE & CIE [DE]
• [A] US 2005044744 A1 20050303 - TADANO MASAYA [JP], et al
• [A] EP 0999302 A1 20000510 - WHIRLPOOL CO [US], et al

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

Designated contracting state (EPC)
DE FR GB IT PL

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 2077350 A1 20090708; EP 2077350 B1 20110720; PL 2077350 T3 20111230; WO 2009083170 A2 20090709; WO 2009083170 A3 20090827

DOCDB simple family (application)
EP 07150493 A 20071231; EP 2008010862 W 20081218; PL 07150493 T 20071231