Title (en)

A SYSTEM AND METHOD OF TEMPERATURE EQUALIZATION APPLIED TO THE DOOR OF ELECTRICAL HOME APPLIANCES

Title (de)

SYSTEM UND VERFAHREN FÜR TEMPERATURAUSGLEICH AN DER TÜR ELEKTRISCHER HAUSHALTSGERÄTE

Title (fr)

SYSTÈME ET PROCÉDÉ D'ÉGALISATION DE TEMPÉRATURE APPLIQUÉS À LA PORTE D'APPAREILS ÉLECTROMÉNAGERS

Publication

EP 2542843 A2 20130109 (EN)

Application

EP 11709313 A 20110203

Priority

- BR PI1000924 A 20100323
- BR PI1000542 A 20100305
- BR 2011000032 W 20110203

Abstract (en)

[origin: WO2011106856A2] The present invention relates to a system and a method of temperature equalization applied to the door (12, 24, 30) of electrical home appliances by means of the circulation of air within the freezing compartment (23), the freezer compartment (11) or the refrigeration compartment (16), as may be the case, in order to eliminate regions wherein the air stands still. The said circulation comprises the forced moving of the air between at least one air inlet opening (34) and at least one air outlet opening (15, 25, 35, 36), the said forced moving being provided by the action of at least one ventilation fan (13, 26, 37), installed in the air inlet opening or in the air outlet opening. The said openings are positioned in regions of different temperatures within the compartment, and are interconnected by means for conducting the airflow (14, 27, 34), which means may be provided by means of ducts.

IPC 8 full level

F25D 17/06 (2006.01); **F24C 15/02** (2006.01); **F24C 15/32** (2006.01)

CPC (source: EP KR US)

F24C 15/02 (2013.01 - EP US); **F24C 15/322** (2013.01 - EP US); **F25D 17/06** (2013.01 - KR); **F25D 17/062** (2013.01 - EP US); F25D 2317/062 (2013.01 - EP US)

Citation (search report)

See references of WO 2011106856A2

Citation (examination)

US 3025683 A 19620320 - BAKER LEE H D, et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2011106856 A2 20110909; **WO 2011106856 A3 20111027**; AU 2011223429 A1 20121025; AU 2011223429 B2 20140918; CN 103069228 A 20130424; CN 103069228 B 20160525; EP 2542843 A2 20130109; KR 101536042 B1 20150710; KR 20120135515 A 20121214; MX 2012010213 A 20121001; US 2013065502 A1 20130314

DOCDB simple family (application)

BR 2011000032 W 20110203; AU 2011223429 A 20110203; CN 201180025251 A 20110203; EP 11709313 A 20110203; KR 20127026117 A 20110203; MX 2012010213 A 20110203; US 201113582491 A 20110203