

Title (en)
REFRIGERATOR AND PARTITION CONTROL METHOD AND PARTITION CONTROL DEVICE FOR COMPARTMENTS OF SAME

Title (de)
KÜHLSCHRANK UND TRENNWANDSTEUERUNGSVERFAHREN UND TRENNWANDSTEUERUNGSVORRICHTUNG FÜR FÄCHER DAVON

Title (fr)
RÉFRIGÉRATEUR ET PROCÉDÉ ET DISPOSITIF DE COMMANDE DE DISTRIBUTION POUR LES COMPARTIMENTS DUDIT RÉFRIGÉRATEUR

Publication
EP 3441700 A4 20190424 (EN)

Application
EP 16901038 A 20161230

Priority
• CN 201610302349 A 20160506
• CN 2016113926 W 20161230

Abstract (en)
[origin: EP3441700A1] A refrigerator and a partition control method for compartments of the same are provided. The refrigerator comprises a door (2) for opening or closing compartments, an air sending device (4) for distributing cooling air from the cooling source to different positions in the compartment, and a camera device (3) for shooting the inside of the compartment, a control unit for electrically connecting the air sending device (4) and the camera device (3). The partition control method comprises: S1, acquiring an opening/closing state of the door (2); S2, after receiving the opening/closing information of the door (2), the control unit driving the camera device (3) to obtain the storage state image of the inside of the compartment after the door (2) closes; S3, retrieving the storage state image of the inside of the compartment this time before the door (2) opens, and comparing the same with the state image after the door (2) closes; S4, if items increases in the compartment, enlarging or opening cooling air supply to the corresponding area by means of the air sending device (4), and if items decreases in the compartment, reducing or stopping cooling air supply to the corresponding area.

IPC 8 full level
F25D 29/00 (2006.01); **F25D 17/04** (2006.01)

CPC (source: CN EP)
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Citation (search report)
• [XAY] US 2003131541 A1 20030717 - LEE IN WON [KR], et al
• [X] JP 2015169412 A 20150928 - MITSUBISHI ELECTRIC CORP
• [X] JP 2015163839 A 20150910 - MITSUBISHI ELECTRIC CORP
• [Y] US 2016123659 A1 20160505 - KIM KWANH YUNG [KR], et al
• See references of WO 2017190517A1

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

Designated extension state (EPC)
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DOCDB simple family (publication)
EP 3441700 A1 20190213; **EP 3441700 A4 20190424**; **EP 3441700 B1 20220518**; CN 105783376 A 20160720; CN 105783376 B 20181012; WO 2017190517 A1 20171109

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EP 16901038 A 20161230; CN 201610302349 A 20160506; CN 2016113926 W 20161230