

Title (en)
COMPARTMENTALIZED REFRIGERATOR

Title (de)
UNTERTEILTER KÜHLSCHRANK

Title (fr)
RÉFRIGÉRATEUR COMPARTIMENTÉ

Publication
EP 3788310 B1 20240117 (EN)

Application
EP 19796390 A 20190506

Priority
• US 201862666875 P 20180504
• IB 2019053704 W 20190506

Abstract (en)
[origin: WO2019211821A1] A compartmentalized refrigerator is an apparatus that stores food items at appropriate temperatures in separate, individually-climate-controlled compartments. The apparatus is also configured to consume a minimal amount of space within a kitchen or living space. The apparatus includes a frame, a plurality of storage compartments, a controller, and a control panel. The frame supports the various apparatus components relative to each other. The plurality of storage compartments allows for storage of food and other items in a thermally-controlled environment. The controller receives electrical signals from various sensors and inputs, performs logical operations to convert those input signals into electrical output signals, and sends those output signals to appropriate mechanisms and systems. The control panel allows the user to interact with the apparatus. The control panel may be a touchscreen interface, allowing for intuitive menu navigation and customization of various controls. This configuration allows the apparatus to provide several climate-controlled spaces.

IPC 8 full level
F25D 13/04 (2006.01); **F25D 25/02** (2006.01); **G07F 9/10** (2006.01); **G07F 17/12** (2006.01)

CPC (source: EP)
F25D 13/04 (2013.01); **F25D 25/025** (2013.01); **G07F 9/105** (2013.01); **G07F 17/12** (2013.01); **F25D 23/021** (2013.01); **F25D 2500/06** (2013.01); **F25D 2700/06** (2013.01); **F25D 2700/12** (2013.01)

Citation (examination)
• CN 2370350 Y 20000322 - KELONG ELECTRIC CO LTD GUANGDO [CN]
• US 2018352612 A1 20181206 - HOFLEITNER PETER [US], et al
• US 9733012 B2 20170815 - MANNING ROBERT JAMES [US], 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 2019211821 A1 20191107; EP 3788310 A1 20210310; EP 3788310 A4 20220209; EP 3788310 B1 20240117; EP 3788310 C0 20240117; ES 2971988 T3 20240610

DOCDB simple family (application)
IB 2019053704 W 20190506; EP 19796390 A 20190506; ES 19796390 T 20190506