

Title (en)
DETACHABLE QUICK-FREEZING FOOD STORAGE CASE

Title (de)
ABNEHMBARE AUFBEWAHRUNGSBEHÄLTER FÜR SCHNELL GEFRIERENDE LEBENSMITTEL

Title (fr)
BOÎTIER AMOVIBLE DE STOCKAGE D'ALIMENTS À CONGÉLATION RAPIDE

Publication
EP 3502603 A1 20190626 (EN)

Application
EP 18213782 A 20181218

Priority
CN 201721787894 U 20171219

Abstract (en)
A detachable quick-freezing food storage case is provided that includes a storage case body (1) and a quick-freezing fan assembly. The quick-freezing fan assembly comprises a quick-freezing fan support (2) and a quick-freezing fan (3). The quick-freezing fan support (2) includes an air inlet positioned proximate the quick-freezing fan (3). The storage case body (1) includes a return air inlet (4). The quick-freezing fan support (2) surrounds one of the air outlets (6) on a cold air duct board (5) to form an air circulation path from the air outlet (6), through the air inlet, to the return air inlet (4). The storage case body (1) also includes a cover (7) fitting the storage case body (1). The quick-freezing fan (3) is connected to a main control panel (20), and the main control panel (20) is connected to a display control panel (30). The storage case (1) is also detachable, making it convenient for customers to use refrigerator space efficiently.

IPC 8 full level
F25D 17/06 (2006.01); **F25D 25/02** (2006.01)

CPC (source: EP US)
F25D 11/02 (2013.01 - US); **F25D 17/062** (2013.01 - EP US); **F25D 17/065** (2013.01 - US); **F25D 19/003** (2013.01 - US); **F25D 25/025** (2013.01 - EP US); **F25D 2400/30** (2013.01 - EP US)

Citation (search report)

- [XA] US 2016091242 A1 20160331 - SANTOS EDERSON ADRIANO DOS [BR], et al
- [X] EP 2787309 A2 20141008 - LG ELECTRONICS INC [KR]
- [X] WO 2007119963 A1 20071025 - LG ELECTRONICS INC [KR], et al
- [IA] US 2008156029 A1 20080703 - RITCHIE SHEENA LEIGH [US], et al
- [A] JP 2002267318 A 20020918 - TOSHIBA CORP
- [A] WO 2014198153 A1 20141218 - HAIER GROUP CORP [CN], et al

Cited by
GB2623842A

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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