

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)

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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)  
BA ME

DOCDB simple family (publication)  
**EP 3502603 A1 20190626**; CN 207649202 U 20180724; US 2019186807 A1 20190620

DOCDB simple family (application)  
**EP 18213782 A 20181218**; CN 201721787894 U 20171219; US 201816223290 A 20181218