

Title (en)

Refrigerator and method of manufacturing inner case thereof

Title (de)

Kühlschrank und Verfahren zur Herstellung seines Innengehäuses

Title (fr)

Réfrigérateur et son procédé de fabrication

Publication

EP 1840489 A2 20071003 (EN)

Application

EP 07001173 A 20070119

Priority

KR 20060029932 A 20060331

Abstract (en)

A refrigerator having an inner case with increased strength and a method of manufacturing the same. The refrigerator includes a cooling system (60), a body (10) coupled to the cooling system (60), a door (40, 50) coupled to the body (10), and a plurality of reinforcing protrusions (26). The body (10) includes an outer case (30) encasing an inner body case (20) having a storage compartment (21, 22) defined therein. The door (40, 50) includes an outer door case encasing an inner door case. The door (40, 50) is coupled to the body (10) to provide access to the storage compartment (21, 22) which is cooled by the cooling system (60). The plurality of reinforcing protrusions (26) is disposed on at least one inner surface (21a, 21b, 22a, 22b) of either the inner body case (20) or the inner door case. The plurality of reinforcing protrusions (26) allows manufacturing thinner inner cases (20) for refrigerators that cannot be easily deformed and have a low product defect rate.

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

DE102011008722A1; CN104334987A; EP3728969A4; EP2133643A2; WO2013174741A1; WO2019125373A1; US11274874B2; US11585592B2; US11913712B2

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

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