

Title (en)
Refrigerator and sealing gasket therefor

Title (de)
Kühlschrank und Dichtungsstrang dafür

Title (fr)
Réfrigérateur et son joint d'étanchéité

Publication
EP 1835247 A3 20080116 (EN)

Application
EP 07103831 A 20070309

Priority
KR 20060025006 A 20060317

Abstract (en)
[origin: EP1835247A2] A refrigerator includes a refrigerator body (10); a refrigerator door (20) coupled to the refrigerator body (10) so as to be opened and closed; and a gasket (30) mounted on either the door (20) or that body (10). The gasket (30) has a magnet (36) therein so as to hold the door closed against the refrigerator body (10). The gasket (30) has at least one shielding portion (34a) that extends from an edge of the gasket (30). The sealing portion is configured to be elastically deformed when the refrigerator door (20) is closed, which enhances the sealing action of the gasket (30). As a result, even if the magnet (36) has a weak magnetic force due to age or the sealing surface is no longer flat, a sealing force is reinforced by the shielding portion (34a). Accordingly, cool air inside the refrigerator is prevented from leaking out, and external warm air is prevented from being introduced into the refrigerator.

IPC 8 full level
F25D 23/08 (2006.01)

CPC (source: EP US)
F25D 23/087 (2013.01 - EP US); **F25D 2400/06** (2013.01 - EP US)

Citation (search report)

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- [A] US 2004075222 A1 20040422 - WEGERT THEODORE A [US], et al
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

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EP 1835247 A2 20070919; EP 1835247 A3 20080116; CN 100593101 C 20100303; CN 101038122 A 20070919; US 2007216272 A1 20070920

DOCDB simple family (application)
EP 07103831 A 20070309; CN 200710088602 A 20070316; US 70636207 A 20070215