Title (en)

Sealing joint for a refrigerator door

Title (de)

Abdichtungsvorrichtung für Kühlschranktür

Title (fr)

Joint d'étanchéité pour porte de réfrigérateur

Publication

EP 0974795 A3 20000202 (EN)

Application

EP 99500127 A 19990724

Priority

ES 9801567 A 19980724

Abstract (en)

[origin: EP0974795A2] The joint includes a head (1) where a housing (2) is formed for the location of magnetic strips, this head (1) being connected to a base (3) defining a fastening plate (6) against the door (5) of the refrigerator. The connection between the fastening base (6) and the head (1) is done by means of connecting walls (4) and (4'). There may be a vault-shaped reinforcing wall (8) that is connected by its ends to the plate (6), and on whose wall (8) the walls (4) and (4') are connected close to the connecting ends of said wall (8), which may be complemented with an inside reinforcing wall (9) between the fastening plate (6) and the reinforcing wall (8). The reinforcing wall (9) is projected from a point close to the center of the fastening plate (6) up to an area close to the connection between the wall (4') and the reinforcing wall (8). By means of said joint the opening and closing forces are distributed on the part of the surface of the fastening plate (6), pulling at the area of the ends of the arch that forms the reinforcing wall (8), with which the glued connection has more resistance against the separation. <IMAGE>

IPC 1-7 (main, further and additional classification)

F25D 23/02

IPC 8 full level (invention and additional information)

F25D 23/08 (2006.01)

CPC (invention and additional information)

F25D 23/087 (2013.01)

Citation (search report)

- [XY] US 5309680 A 19940510 - KIEL LOWELL M [US]
- [Y] DE 8608497 U1 19860507
- [A] DE 3525539 C1 19861127 - LIEBHERR HAUSGERAETE [DE]
- [A] DE 29520234 U1 19970528 - REHAU AG & CO [DE]
- [A] EP 0757151 A2 19970205 - IRE IND RIUNITE
- [A] FR 2048858 A7 19710319 - REHAU AG & CO [DE]
- [A] DE 29619300 U1 19970206 - REHAU AG & CO [DE]

Cited by

CN103162496A; ES2232293A1; CN103185443A; CN106796076A; WO2016056745A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family

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