

Title (en)

Drawer mechanism, particularly for a refrigerator.

Title (de)

Schubladenauszug, insbesondere für einen Kühlschrank.

Title (fr)

Dispositif de guidage pour tiroir, en particulier pour réfrigérateurs.

Publication

EP 0656182 A1 19950607 (EN)

Application

EP 94308976 A 19941202

Priority

KR 930026246 A 19931202

Abstract (en)

A drawer mechanism for enabling a drawer to slide into and out of a cabinet has guide rails 2 to be fixed to wall surfaces of the cabinet to guide movement of the drawer, sliders 5 adapted to move along the guide rails; and drawer support members 7 on both sides of the drawer and moving forward and rearward along with the sliders as the drawer is opened or closed. The guide rails 2, sliders 5 and support members 7 include gravitational locking means such that in the closed configuration of the drawer the weight of the drawer acts constantly to exert a force maintaining this closed configuration. The locking means includes sloping parts 2a, 7a on the relevant guide surfaces and rollers 4 on the sliders 5, the rollers resting between the sloping surfaces when the door is closed. This system dispenses with magnetic seals. <IMAGE>

IPC 1-7

A47B 88/10; **F25D 23/00**

IPC 8 full level

F25D 25/00 (2006.01); **A47B 88/04** (2006.01); **A47B 88/493** (2017.01); **F25D 23/02** (2006.01); **F25D 25/02** (2006.01)

CPC (source: EP KR)

A47B 88/467 (2016.12 - EP); **A47B 88/493** (2016.12 - EP); **F25D 23/02** (2013.01 - KR); **F25D 25/025** (2013.01 - EP); **A47B 2088/4274** (2016.12 - EP); **A47B 2210/0037** (2013.01 - EP); **A47B 2210/0045** (2013.01 - EP); **A47B 2210/0059** (2013.01 - EP); **A47B 2210/01** (2013.01 - EP)

Citation (search report)

- [XY] US 2496673 A 19500207 - NIELSEN JOHN V
- [XA] AT 394132 B 19920210 - ALFIT GMBH [AT]
- [Y] CH 665472 A4 19740228
- [Y] US 2801146 A 19570730 - WILLIAM MIKULAS

Cited by

CN112444035A; EP1084666A1; EP1903288A3; CN104780809A; EP1655563A1; EP0779484A3; US7387351B2; EP1903288A2; US9204722B2; US7594707B2; WO2014071425A1; WO2004068047A1; WO2007128731A3; WO0173361A1

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EP 0656182 A1 19950607; **EP 0656182 B1 19990616**; CN 1106527 A 19950809; DE 69419113 D1 19990722; DE 69419113 T2 19991028; JP 2542343 B2 19961009; JP H07218107 A 19950818; KR 950019580 A 19950724; KR 970000100 B1 19970104

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