

Title (en)

Sliding support structure for drawers, particularly for industrial refrigerators.

Title (de)

Konstruktion zum Stützen von Gleitschienen für Schubladen, insbesondere für industrielle Kühlschränke.

Title (fr)

Construction de support de glissière pour tiroirs, en particulier pour réfrigérateurs industriels.

Publication

**EP 0439774 B1 19940810 (EN)**

Application

**EP 90124429 A 19901217**

Priority

IT 8551190 A 19900124

Abstract (en)

[origin: EP0439774A1] A sliding support structure for drawers, includes on each side of a drawer, a fixed supporting profiled element (1) which can be anchored inside a refrigeration compartment (1'') and in which a guiding profiled element (2) slides; the guiding profiled element can be anchored to the drawer, and at least one linear roller bearing (3) is interposed between the profiled elements. The linear roller bearing is formed by a substantially rigid and non-deformable cage (4) provided with a stop device which acts on the supporting profiled element; the stop device is in locking position when the drawer is completely extracted and is automatically released when the drawer is at least partially inserted. The stop device is constituted by an element (14) which can oscillate elastically in a substantially vertical direction, is arranged at an end of the cage which is directed toward the outside of the refrigeration compartment, and has engagement members (16, 17) suitable for interacting positively and frontally with a front end surface of the fixed supporting profiled element. <IMAGE>

IPC 1-7

**A47B 88/10**; **F25D 25/02**

IPC 8 full level

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

CPC (source: EP)

**A47B 88/493** (2017.01); **F25D 25/025** (2013.01); **A47B 2210/0016** (2013.01); **A47B 2210/0037** (2013.01); **A47B 2210/0059** (2013.01); **A47B 2210/007** (2013.01)

Cited by

US7281774B2; CN111306882A; CN108344240A; CN104930782A; DE10318781A1; CN111033068A; CN103759492A; CN109764616A; DE10140006A1; US6764149B2; US5664855A; EP2586333A1; US8690270B2; US11147374B2; WO2011146951A1; WO2010049283A1; US7758135B2; US7762637B2; EP2481990A1

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