Title (en)
Opening system with weight shifting of the plates of counters and display units.

Title (de)
Öffnungssystem mit Gewichtsverlagerung von Scheiben für Kauftheken und Präsentationseinheiten

Title (fr)
Dispositif d'ouverture de vitrines de comptoirs ou d'unités de présentation avec déplacement de leur masse

Publication
EP 1031303 A3 20020502 (EN)

Application
EP 99830752 A 19991203

Priority
IT TS980015 A 19981203

Abstract (en)
[origin: EP1031303A2] This system can be usefully employed in the sector of refrigerated or non-refrigerated counters, especially in that of counters meant for direct sale of food products. The plates (1, 2) on the customer's side move longitudinally along a lower carrying section (3) provided with two longitudinal slots (8, 9) with horizontal base and horizontal vault. The base of each slot (8, 9) is provided with a slideway (10, 11) and also the vault is provided with a slideway (12, 13), all extending longitudinally. Each slot (8, 9) receives a carriage (4, 5); a certain number of bushing holders (14), whereon bushings (15) engage, is connected to the upper and to the lower part of each carriage (4, 5); on each of the bushings (15) engages a wheel (16). Said wheels (16) sliding inside the aforementioned slideways (10, 11, 12, 13). When the plates (1, 2) are opened the portion of their weight formerly carried by the supporting arms (7) is shifted to the vaults of the aforementioned slots (8, 9) of the carrying section (3). <IMAGE>

IPC 1-7
A47F 3/04; A47F 3/00

IPC 8 full level
A47F 3/04 (2006.01)

CPC (source: EP)
A47F 3/0434 (2013.01)

Citation (search report)
- [A] EP 0878153 A2 19981118 - N E M NORD EST MECCANICA S N C [IT]
- [A] EP 0233348 A1 19870826 - VIELER GMBH GEB [DE]
- [A] DE 3828089 A1 19890302 - BERNARDI LUIGI [IT]
- [A] EP 0611539 A2 19940824 - ALLG KUEHLMOEBELBAU GMBH [DE]

Cited by
EP1692978A1; EP3639703A1; IT201800009447A1

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 (publication)
EP 1031303 A2 20000830; **EP 1031303 A3 20020502**; **EP 1031303 B1 20030730**; AT E245926 T1 20030815; DE 69909959 D1 20030904; DE 69909959 T2 20040422; ES 2203054 T3 20040401; IT 1306517 B1 20010611; IT TS980015 A0 19981203; IT TS980015 A1 20000603

DOCDB simple family (application)
EP 99830752 A 19991203; AT 99830752 T 19991203; DE 69909959 T 19991203; ES 99830752 T 19991203; IT TS980015 A 19981203