

Europäisches Patentamt European Patent Office Office européen des brevets



(11) **EP 1 510 156 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: **04.01.2006 Bulletin 2006/01**

(51) Int Cl.: A47F 1/12 (2006.01)

(43) Date of publication A2: 02.03.2005 Bulletin 2005/09

(21) Application number: 04460040.1

(22) Date of filing: 01.09.2004

(84) Designated Contracting States:

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

Designated Extension States:

AL HR LT LV MK

(30) Priority: 01.09.2003 PL 36192603

(71) Applicants:

 W & B Mold Sp. z.o.o 02-255 Warszawa (PL)

- Masterfoods Polska Sp. Z o.o. 96-500 Sochaczew (PL)
- (72) Inventor: Gackowski, Wojciech W & B Mold Sp. Z o.o. 02-255 Warszawa (PL)
- (74) Representative: Malewska, Ewa Ewa Malewska & Partners,P.O. Box 613 00-950 Warszawa 1 (PL)

(54) Device for displacing goods on display surfaces

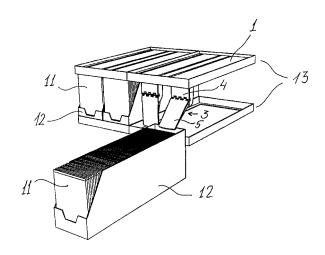
A device for displacing goods especially those packed into individual unit packages, being displayed on the display surfaces of shelves - mainly at self-service stores, having mechanically driven pushing arms, characterized in that it comprises at least a pushing arm (3) mounted above the goods or individual unit packages (11) of the goods to be displaced and driven mechanically by the driving spring (6). In a preferred embodiment, the device comprises a self supporting structure (13), equipped with guiding plate(s) (1). The distance between adjacent display levels of separate guiding plates (1) and the distance between adjacent pushing arms (3) of the same display level can be adjusted to the size and number of master packages (12) displayed and made available to the buyers, as well as to the number of assortments of goods of the same kind displayed therein and made available to the buyers.

In another preferred embodiment the device comprises several - at least two, individual sets of elements, each set consisting of a pushing arm $(\underline{3})$ and corresponding guiding means $(\underline{2,14})$ along which the pushing arm moves under the force exerted by the driving spring $(\underline{6})$, mounted to the rods $(\underline{15})$ situated above the goods to be displaced, parallel to the front and rear edge of the store shelf or the self supported structure $(\underline{13})$ in such a way that each individual set can be freely shifted from one position to another.

The device according to the present invention in its specially advantageously embodiment is adjusted to simultaneous displaying a big range of goods of the same

kind, such as pet food, spices, herbs, food concentrates and the like packed in unit packages of the same size and weight, preferably in small sachets or small objects such as copy-books or envelopes that do not require any unit packages.

Fig. 3





EUROPEAN SEARCH REPORT

Application Number EP 04 46 0040

	DOCUMENTS CONSIDI	ERED TO BE RELEVANT		
Category	Citation of document with in of relevant passaç	dication, where appropriate, jes	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 5 131 563 A (YAB 21 July 1992 (1992- * the whole documen	07-21)	1,7,8	A47F1/12
(US 5 649 363 A (RAN 22 July 1997 (1997- * the whole documen	07-22)	1,7,8	
١	US 5 562 217 A (SAL 8 October 1996 (199 * the whole documen	6-10-08)	1-4	
١	GB 2 304 102 A (PAU 12 March 1997 (1997 * the whole documen	-03-12)	1,5-7, 9-12	
				TECHNICAL FIELDS SEARCHED (Int.Cl.7)
				A47F
	The present search report has b	<u> </u>		
	Place of search Munich	Date of completion of the search 5 September 20		Examiner ff, R
	ATEGORY OF CITED DOCUMENTS	·	ciple underlying the	-
X : part Y : part docu	icularly relevant if taken alone icularly relevant if combined with anoth ument of the same category inological background	E : earlier paten after the filing er D : document cit L : document cit	t document, but publ	ished on, or

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

EP 04 46 0040

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

05-09-2005

92 WO 9117939 A1 28-11-199 97 US 5743428 A 28-04-199 96 AU 4282696 A 23-05-199 WO 9613188 A1 09-05-199 97 NONE
96 AU 4282696 A 23-05-199 WO 9613188 A1 09-05-199
WO 9613188 A1 09-05-199
97 NONE

© For more details about this annex : see Official Journal of the European Patent Office, No. 12/82