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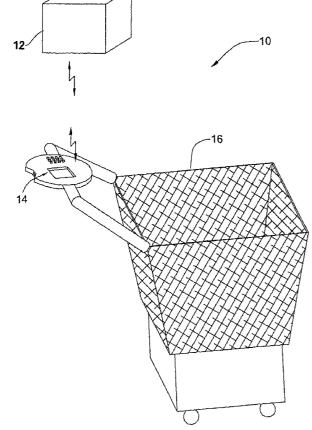
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(54) Title: A METHOD AND SYSTEM FOR PURCHASING ITEMS



(57) Abstract: A customer station for use in an items' purchasing system in a supermarket or other retail store is presented. The customer station comprises an identification assembly, a control unit, a data presentation unit for presenting to the customer information related to selected items, and a deactivator. The identification assembly is operable to identify a nature of an item of customer's interest, and generate data indicative of information related to the item of interest to be presented to the customer. The control unit has a processing means responsive to the generated data indicative of the information related to the item to generate data indicative of the entire sum to be paid by the customer which is to be presented to the customer. The deactivator is operable to deactivate a security tag attached to the item. The entire customer station or at least the identification assembly and the data presentation unit are incorporated in a unit mountable on a supermarket trolley.

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 G07F7/02 G076 G07G1/00 G08B13/24 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 G08B G07F G07G Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ C. DOCUMENTS CONSIDERED TO BE RELEVANT Category ' Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. X EP 0 856 812 A (SYMBOL TECHNOLOGIES INC) 1-5.5 August 1998 (1998-08-05) 8-14 17 - 19,22column 6, line 26 - line 50 column 7, line 27 - line 33; figure 3 Υ 6,7,15, 16,21 Υ WO 89 02628 A (INFORMATION RESOURCES INC 6,7 :MALEC JOHN (US)) 23 March 1989 (1989-03-23) page 8, line 11 - line 26 page 14, line 12 -page 15, line 26; figure -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. χ Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the international "X" document of particular relevance; the claimed invention filing date cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled "O" document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed in the art. "&" document member of the same patent family Date of the actual completion of the international search Date of mailing of the international search report 2 October 2002 09/10/2002 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Schofield, C Fax: (+31-70) 340-3016

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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
————	oration of accument, with indication, where appropriate, of the relevant passages	nelevant to Claim No.
X Y	EP 0 533 139 A (KNOGO CORP) 24 March 1993 (1993-03-24) column 2, line 14 - line 42 column 3, line 38 -column 4, line 6 column 5, line 45 -column 6, line 20 column 9, line 40 -column 10, line 26; figure 11	20 15,16,21
X	US 5 424 524 A (RUPPERT JONATHAN P ET AL) 13 June 1995 (1995-06-13) cited in the application column 12, line 20 - line 56 column 16, line 12 - line 30 figures 3,15	1-5, 8-13,15, 17,18,22
X	US 4 575 624 A (KLINKHARDT ERHARD) 11 March 1986 (1986-03-11)	1-5, 8-17, 20-22
	column 1, line 59 -column 2, line 54	
X	US 5 594 228 A (SWARTZ JEROME ET AL) 14 January 1997 (1997-01-14)	1-5, 8-13, 15-18,22
	column 2, line 41 - line 62 column 17, line 4 - line 11 column 17, line 61 -column 18, line 3	
X	US 4 141 078 A (BRIDGES JR LOUIS E ET AL) 20 February 1979 (1979-02-20) figures 1,5 column 1, line 40 -column 2, line 28 column 4, line 49 -column 6, line 13	1-5,17, 20-22

Interational Application No
PCT/IL 01/00788

						01/12	71/00/88
	atent document d in search report	Public dat			Patent family member(s)		Publication date
EP	0856812	A 05-0	8–1998		6084528 0856812 6330244 2002050526 2002034168	A2 B1 A1	04-07-2000 05-08-1998 11-12-2001 02-05-2002 21-03-2002
		A 23-0	3-1989	US AU AU AU AU AU AU BR CA CA DE DK PJP NO US US	4973952 136378 636809 1098492 635169 1098592 633457 1098692 616917 2521588 8807216 1300235 1322577 1330367 3855178 246089 0335931 892436 2501237 2743340 891991 5287266 8902628 5295064	T B2 A B2 A B2 A A1 D1 T2 A T B2 A A1 A	27-11-1990 15-04-1996 06-05-1993 14-05-1992 11-03-1993 07-05-1992 28-01-1993 07-05-1992 14-11-1991 17-04-1989 17-10-1989 05-05-1992 28-09-1993 21-06-1994 09-05-1996 28-11-1996 19-05-1989 11-10-1989 11-10-1989 19-05-1989 22-04-1990 22-04-1998 20-07-1989 15-02-1994 23-03-1989 15-03-1994
EP	0533139	A 24-0	3–1993	US AU BR CA EP JP JP KR	5225807 648686 2123492 9203591 2078052 0533139 2818716 5294407 9603584	B2 A A A1 A1 B2 A	06-07-1993 28-04-1994 29-04-1993 13-04-1993 17-03-1993 24-03-1993 30-10-1998 09-11-1993 20-03-1996
US	5424524 <i>/</i>	13-0	6-1995 	WO	9639674	A1	12-12-1996
US	4575624 <i>l</i>	11-0	3–1986	DE DE EP ES ES	3244431 3370088 0112493 527522 8407227	D1 A1 D0	07-06-1984 09-04-1987 04-07-1984 01-09-1984 16-11-1984
	5594228 A		1–1997	CN JP US US US US CA DE	1083608 6208640 5979758 6102290 5814799 5117098 1331056 68912450	A A A A A A1	09-03-1994 26-07-1994 09-11-1999 15-08-2000 29-09-1998 26-05-1992 26-07-1994 03-03-1994

International Application No
PCT/IL 01/00788

	Publication date	Patent family member(s)		Publication date	
A		EP	0355355 A2	28-02-1990	
		JP	2003565 C	20-12-1995	
		JP	2112083 A	24-04-1990	
		JP	7040285 B	01-05-1995	
A	20-02-1979	NONE			
	A	A date	A EP JP JP JP	A EP 0355355 A2 JP 2003565 C JP 2112083 A JP 7040285 B	

Form PCT/ISA/210 (patent family annex) (July 1992)