



(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
25.10.2000 Bulletin 2000/43

(51) Int Cl.7: G06F 17/60, G09F 9/00

(43) Date of publication A2:
08.04.1998 Bulletin 1998/15

(21) Application number: 97306256.5

(22) Date of filing: 18.08.1997

(84) Designated Contracting States:
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC
NL PT SE

(30) Priority: 07.10.1996 US 726594
07.10.1996 US 726595
07.10.1996 US 726596

(71) Applicant: NCR International, Inc.
Dayton, Ohio 45479 (US)

(72) Inventor: Goodwin, John Coker, III
Suwanee, Georgia 30174 (US)

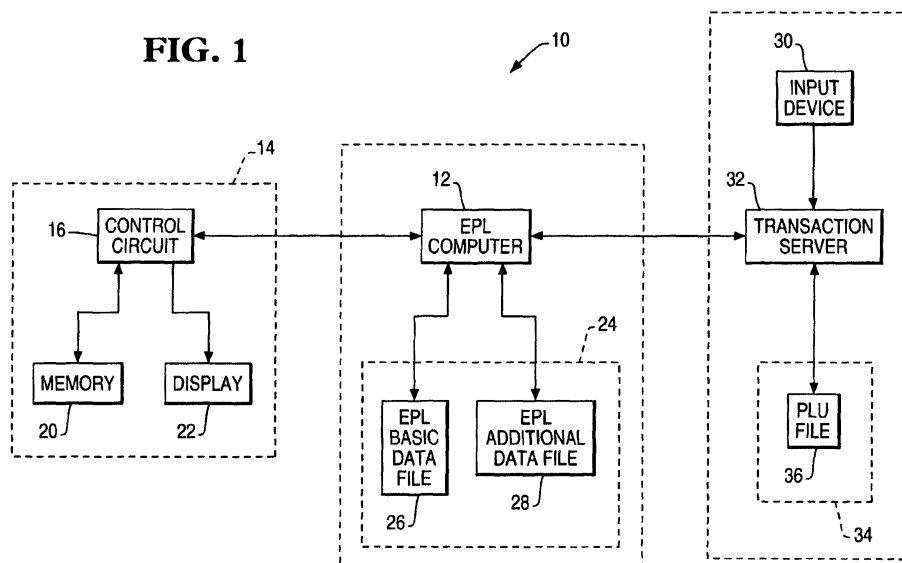
(74) Representative: Williamson, Brian
International IP Department,
NCR Limited,
206 Marylebone Road
London NW1 6LY (GB)

(54) Method of displaying a product information message by an electronic price label

(57) Product information messages 38 relating to product promotions, sale restrictions of products or products eligible for government subsistence programs, are stored in an EPL additional data file 28 in the memory 24 of an EPL computer 12, together with product information indicators 39 which uniquely identify each product information message 38. When a product information message 38 is to be displayed by an EPL 14 associated with a particular product, a product information indicator corresponding to the message 38 to be displayed

is input by an operator to the record for that product in a price look-up (PLU) file 36. A control message addressed to the EPL (14) associated with that product is generated by reading the product information indicator 39 from the PLU file 36 and the corresponding product information message 38 from the EPL additional data file 28. The control message is transmitted to the EPL 14 and the product information message is displayed by a display 22 of the EPL 14. No paper labels, tags or notices need be installed in order to convey the information message to a customer.

FIG. 1





European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 97 30 6256

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
X	EP 0 604 382 A (ELECTRONIC RETAILING SYST) 29 June 1994 (1994-06-29) * abstract * * column 1, line 49 - column 2, line 41 * * column 11, line 39 - column 13, line 1 * * figures 13-15 *	1-10	G06F17/60 G09F9/00
A	US 4 962 466 A (REVESZ MICHAEL S ET AL) 9 October 1990 (1990-10-09) * abstract * * claim 1 * * column 2, line 10 - line 51 *	1-10	
A	GB 2 164 777 A (TELEPANE INC) 26 March 1986 (1986-03-26) * abstract * * figure 1 *	1,10	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			G06F G09F
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 30 August 2000	Examiner König, W
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03.82 (P04C01)

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

EP 97 30 6256

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.

30-08-2000

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0604382 A	29-06-1994	US 5632010 A	20-05-1997
		AU 2833697 A	07-01-1999
		CA 2112062 A	23-06-1994
		CA 2208884 A	25-12-1998
		EP 0889425 A	07-01-1999
		US 5704049 A	30-12-1997
		US 5864325 A	26-01-1999
		US 5977998 A	02-11-1999
US 4962466 A	09-10-1990	US 4888709 A	19-12-1989
GB 2164777 A	26-03-1986	US 4603495 A	05-08-1986
		AU 571421 B	14-04-1988
		AU 4752485 A	27-03-1986
		CA 1244974 A	15-11-1988
		FR 2570534 A	21-03-1986
		IT 1185357 B	12-11-1987