(11) Publication number:

0 031 391

**A3** 

(12)

## **EUROPEAN PATENT APPLICATION**

(21) Application number: 79302810.1

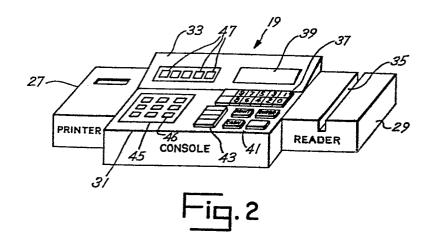
(22) Date of filing: 06.12.79

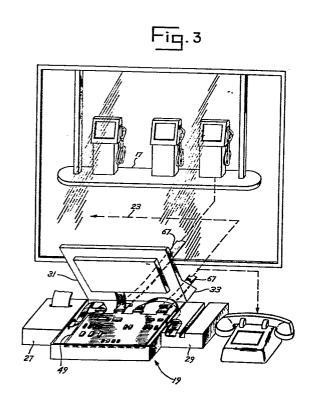
(51) Int. Cl.<sup>3</sup>: **B 67 D 5/14** B **67** D **5/22** 

(43) Date of publication of application: 08.07.81 Bulletin 81'27

- (88) Date of deferred publication of search report: 15.07.81
- (84) Designated Contracting States: DE GB NL
- (71) Applicant: ATLANTIC RICHFIELD COMPANY Arco Plaza 515 S. Flower Street Los Angeles California 90071(US)
- (72) Inventor: Wostl, Wolfgang Joseph 16440 Greenwood South Holland, Illinois 60473(US)
- (72) Inventor: Segal, John Samuel 450 Saugatuck Street Park Forest Illinois 60466(US)
- (72) Inventor: Roach, Thomas Leo **616 Cottonwood Drive** Dyer, Indiana 46311(US)
- (72) Inventor: Moore, Robert Allen 317 Shawnee Park Forest, Illinois 60466(US)
- (74) Representative: Brown, David Alan et al, MATHYS & SQUIRE 10 Fleet Street London EC4Y 1AY(GB)
- (54) Attendant-controlled system for automatic enablement and monitoring of fuel dispensers.
- (57) An attendant-controlled system for automatic enablement and monitoring of fuel dispensers.

An attendant-controlled terminal, operating under the control of a conventional micro-processor, monitors and controls remote fuel pumping units in a vehicle service station, combines fuel sale information with information concerning additional sales keyboarded by the attendant, accepts customer account information recorded on a credit card, verifies that the identified account is in good standing, and prints a credit card receipt for signature by the customer, the receipt being printed in an optically-readable format compatible with conventional automated invoice processing equipment. The terminal comprises a console 19 containing a microprocessor 49 connected to each fuel dispenser through a cable 67, to a remote data bank through cable 23, to a card reader 29 and printer 27 and to a keyboard 31 and visual display device 33. The keyboard 31 includes alphanumeric keys 37 through which details of non-fuel sales can be entered, function keys 41 and 43 for controlling operation of the terminal, and pump selection buttons 46 for selectively enabling the fuel dispen-







## **EUROPEAN SEARCH REPORT**

Application number

EP 79 30 2810

	DOCUMENTS CONS	CLASSIFICATION OF THE APPLICATION (Int. Cl.3)		
Category	Citation c document with inc passages	dication, where appropriate, of relevant	Relevant to claim	
Х	<u>US - A - 3 765</u> al.)	<u>567</u> (J. MAIOCCO et	1,2,4-6 12,15-	B 67 D 5/14 B 67 D 5/22
	column 5, lin	column 3, line 8 to e 41; column 14, lumn 17, line 42 *		
	IIC A 2 C20			
	<u>US - A - 3 632 988</u> (I. OHYAMA)  * figures 1,2,6,7,9; column 2,		1,2,4-6 15-19	
	line 73 to co.	lumn 3, line 42 *		
	IIC A / 107	777 /		TECHNICAL FIELDS
	<u>US - A - 4 107 777</u> (A.F. PEARSON)		1,2,4,6 -9,12,	SEARCHED (Int. Cl.3)
	* figures 1-6,9 paragraph 5,	,10-13; abstract; lines 31 to 59 *	15-18, 20	B 67 D 5/14 5/22
	<u>US - A - 3 931</u> et al.)	497 (F.J. GENTILE	1,16	5/30 5/24
	* abstract; fig	ures 1-5 *		
D	<u>US - A - 3 786</u> al.)	421 (W.J. WOSTL et	1,16	
	* figures 1,2,3,5 *			
	US - A - 3 897 887 (M. GOLDBERG)  * figure 3 *  The present search report has been drawn up for all claims		13	CATEGORY OF CITED DOCUMENTS
				X: particularly relevant A: technological background O: non-written disclosure
				P: intermediate document     T: theory or principle underlyi     the invention     E: conflicting application
				document cited in the application     citation for other reasons
				&: member of the same patent family,
lace of se		Date of completion of the search	Eva-t	corresponding document
	The Hague 07-04-1981		Examiner THIE	80