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## 54 **Method and apparatus for currency validation.**

57 An improved currency validator (1) has one or more sensors (18;24;30) positioned along a bill passageway (4) for testing a bill transported along the bill passageway and for generating electrical signals in response to certain features of the bill. Data derived from the electrical signals is processed by a logic circuit, such as microprocessor (102), to determine the authenticity and denomination of the bill. The data may be normalized during its processing. Either or both a histogram technique or a percent denomination space technique may be used in determining the authenticity and denomination of the bill.

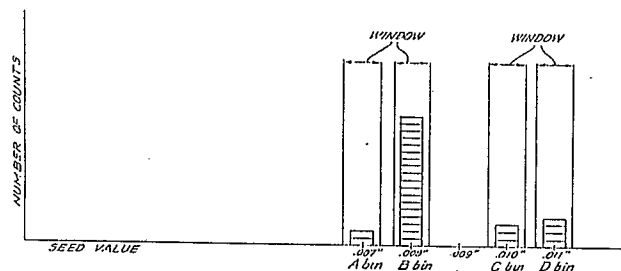


FIG. 6



EP 89 10 2127

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. 4)
D,A	US-A-4 464 787 (L.A. FISH et al.) * Column 11, line 22 - column 13, line 29 *	1-5	G 07 D 7/00
A	US-A-3 966 047 (L.E. STEINER) * Column 1, lines 43-65 *	1,6-8	
D,A	US-A-4 349 111 (H.R. SHAH et al.) * Column 1, line 13 - column 2, line 46 *	1	
A	US-A-4 283 708 (L.F. LEE) * Column 1, line 1 - column 2, line 49 *	1	
A	US-A-4 442 541 (J.R. FINKEL et al.)	1	
A	EP-A-0 056 116 (TOKYO SHIBAURA DENKI K.K.)	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			G 07 D B 07 C
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 29-06-1989	Examiner EXELMANS U.G.J.R.
<b>CATEGORY OF CITED DOCUMENTS</b> 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			