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54 **Coin validation apparatus.**

57 Coin validation apparatus comprising a coin chute 2 arranged for directing a coin 1 entering the apparatus such that the coin will be brought into contact with a hard striking surface 3, a microphone 4 positioned to detect acoustic vibrations of the coin 1 after striking said surface, an electronic circuit capable of comparing data from said coin with stored data representative of a set of standard coins and indicating which value of coin corresponds to that having entered said apparatus, in which the part of the apparatus before the electronic circuit includes a coin detector arranged to actuate said circuit at a time when a coin 1 has been detected as entering the apparatus. The detector may be the microphone 4.

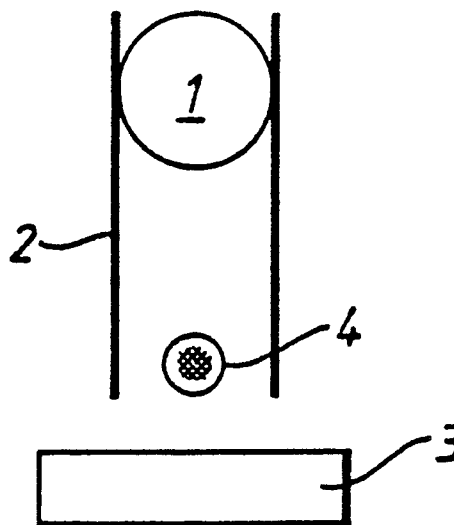


FIG. 1.



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)
X	DE-A-2017390 (MAKO-APPARATEBAU) * the whole document * ---	1	G07F3/02 G07D5/06
X,P	GB-A-2200778 (THE GENERAL ELECTRIC COMPANY) * page 2, line 18 - page 6, line 18; figure 1 * ---	1-4	
Y	EP-A-0219574 (COMPANIA TELEFONICA NACIONAL DE ESPANA) * abstract; figures 3, 4 * * column 1, line 25 - column 2, line 51 * ---	1	
Y	EP-A-0184393 (MARS) * abstract; claims 1-25; figures 1-3 * ---	1	
A	---	2-4	
A	GB-A-2173624 (QONAAR) -----		
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			G07F G07D
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 01 JUNE 1990	Examiner DAVID J.Y.H.
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			