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54 **Control for electronic lock.**

57 A battery powered (40) electronic locking apparatus comprises a locking member (2) movable between a locking position and an unlocking position, a first electromechanical means (110) coupled to the locking member to drive the locking member from one of the positions to the other position upon activation of the first electromechanical means and a second electromechanical means (111) coupled to the locking member to drive the locking member from the one position to the other position upon activation of the second electromechanical means. A control means (3) activates the first electromechanical means (110) without the second electromechanical means (111) to attempt to drive the locking member from the one position to the other position to conserve power, and subsequently activates the first (110) and second (111) electromechanical means together to attempt to drive the locking mechanism (2) to the other position. This provides movement of the locking member (2) when the battery voltage is low or the locking member is bound. In addition, if one attempt by one (110) or both (110, 111) electromechanical means is unsuccessful, the control means (3) automatically activates (254, 256, 258) one or both of the electromechanical means a second time. This is effective in the event that the failure was due to torque applied by a user to a door handle which bound the locking member.

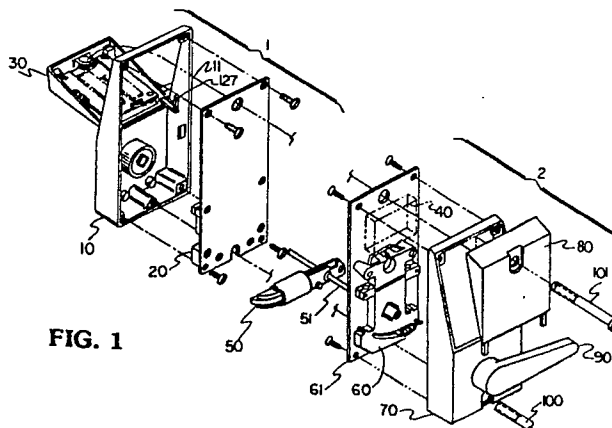


FIG. 1



European Patent
Office

EUROPEAN SEARCH REPORT

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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)
	No further relevant document have been disclosed -----		E 05 B 47/00
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			E 05 B H 01 F H 01 H
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22-11-1989	Examiner VAN BOGAERT J.A.M.M.
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			