(11) **EP 0 818 596 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 04.02.1998 Bulletin 1998/06

(51) Int Cl.6: **E05B 49/00**

(43) Date of publication A2: 14.01.1998 Bulletin 1998/03

(21) Application number: 97304901.8

(22) Date of filing: 04.07.1997

(84) Designated Contracting States:

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC

NL PT SE

(30) Priority: 12.07.1996 FI 962826

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(54) Current switch arrangement for an electromechanical locking unit

(57) A current switch arrangement for an electromechanical locking unit, which locking unit includes a cylinder lock mechanism (1) operated mechanically by a key (2), blocking means (4) functionally dependent on an electronic code associated with the key (2), and an electronic control unit (5) which, on the basis of said electronic code, is arranged to control the blocking means (4) and which, under the control of the current switch arrangement, is connectable to an electric power source (17). The arrangement comprises permanent magnet means (11a, 11b) to be attached in association

with the cylinder lock (1), a so called reed switch (10) or the like located in the immediate vicinity of the permanent magnet means (IIa, IIb) within the magnetic field provided thereby and a piece (12) of ferromagnetic material located in the key shank (2a) and arranged to be positioned in the vicinity of the permanent magnet means (11a, 11b) when the key (2) is inserted into the cylinder lock (1) so that it causes a change in the magnetic field activating the reed switch (10) or the like to provide a control pulse which connects the electronic control unit (5) to the power source (17).

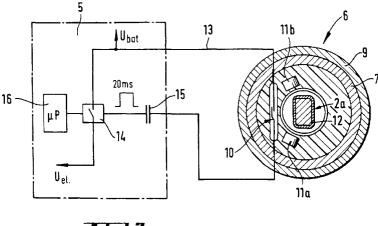


Fig: 2



EUROPEAN SEARCH REPORT

Application Number EP 97 30 4901

Category	Citation of document with indicat of relevant passages		Relevant to claim	CLASSIFICATION APPLICATION (In		
A	EP 0 525 730 A (KABUSH RIKA DENKI SEISAKUSHO) * column 6, line 42 - figures 4,5 *	IKI KAISHA TOKAI	1,4,8,9	E05B49/00		
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	Place of search	Date of completion of the search	1	Examiner		
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CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another gocument of the same category A: technological background		E : earlier patent do after the filing da D : document cited	T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document ofted in the application			

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