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(54) **Timed electromechanical safety switch**

(57) A timed safety switch, particularly for accident-prevention doors of machines and apparatus, includes an enclosure (2) which can be anchored to the machine and internally accommodates a series of fixed electrical contacts (3) and of moving electrical contacts (3'), devices (4, 5) for locking the door which includes a safety key (4) which can be anchored to the door and can be inserted in a slot (7) of the enclosure (2), delay devices (11) which can move between an active position and an inactive position and are suitable to anticipate or delay the operation of the locking devices (4, 5) with

respect to the actuation of the switch, clearance-providing devices (8) which can move to allow the insertion/extraction of the key (4) through the slot (7) only when the delay devices (11) are in their inactive position, so as to prevent accidental actuations of the switch when the door is open. The delay devices, the locking devices and the clearance-providing devices are of a mechanical type in order to ensure maximum reliability and safety.

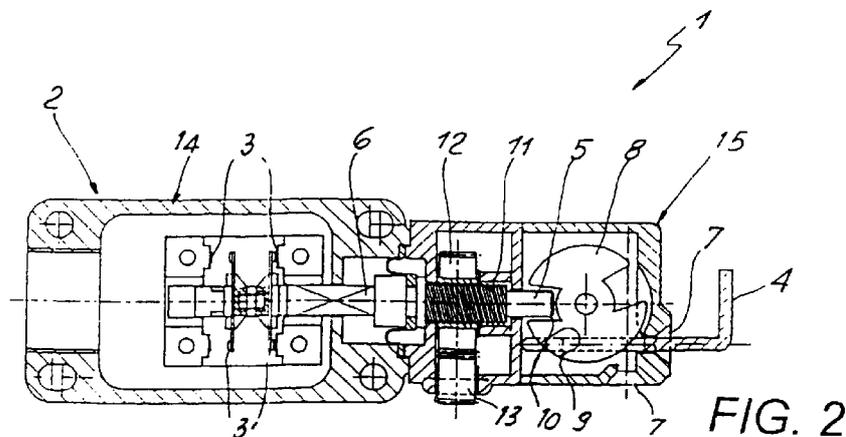


FIG. 2



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EUROPEAN SEARCH REPORT

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	DE 39 23 663 A (KRONENBERG GMBH H & J) 24 January 1991 * column 6, line 45 - column 8, paragraph 1; claims *	1	H01H27/00
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Place of search	Date of completion of the search	Examiner	
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CATEGORY OF CITED DOCUMENTS		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	
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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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