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(54) **Tumbler lock-key-assembly**

(57) A combination of a disc tumbler lock and a key (8) therefor provided with key-bit means (8b, 8c), the lock including a lock case (1) having therein a lock bolt (3) movable back and forth and provided with a locking pin (4) or the like and a set of tumbler discs (5) movable by turning the key and which are provided with a locking channel arranged to co-operate with the locking pin (4) to control the transfer movements of the lock bolt (3). The locking channel has at least a first (5a) and a second (5b) branch extending transversely relative to the transfer movement of the lock bolt and a third branch (5c) connecting the first and second branches, whereby the key-bit means (8b) of the key has for each tumbler disc a combination surface (8c) which, when the key is turned in the lock, moves the tumbler disc (5) in the direction of the first (5a) and second (5b) branch to select the locking combination. The key-bit means (8b) contains a guide member (8d) which affects the lock bolt (3) so that, in the final stage of the selecting movement of the tumbler disc (5), it guides the locking pin (4) into the third branch (5c) of the locking channel. The third branch (5c) of the locking channel also has at least one guiding means (5f, 5g) which is arranged to prevent movement of the locking pin (4) through the third channel (5c) if the combination surface of the key is incorrect.

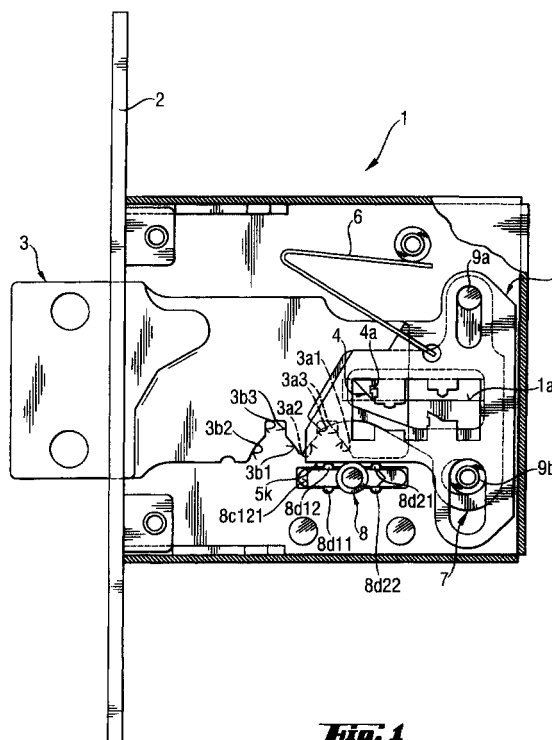


Fig. 1

EP 1 035 278 A3



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EUROPEAN SEARCH REPORT

Application Number
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			E05B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 19 November 2001	Examiner Van Beurden, J
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			

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