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(54) Title: IMPROVED LOCK WITH LATCHES HAVING ELLIPTICAL HEAD PORTIONS

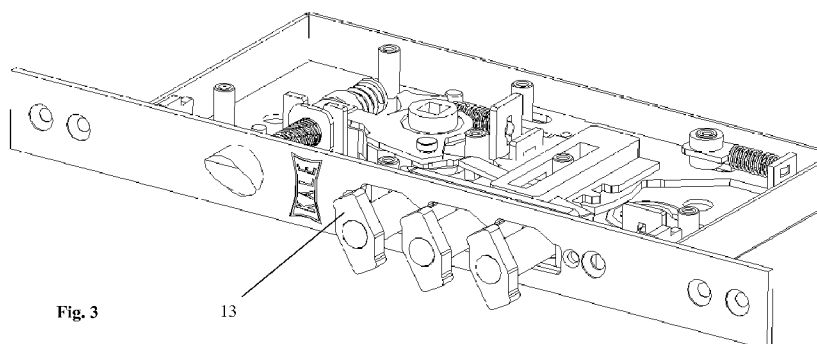


Fig. 3

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(57) Abstract: The present invention proposes a lock mechanism with at least one linear latching element having a head portion (13) suitable for engaging with a respective door frame lock panel slot in the direction the latch displace to lock the door. Engaging of said head portions with said slots ensure that releasing of the latch by forcibly moving it in the direction of the lock assembly or door frame is prevented. The latches having a regular linear structure according to the present invention are adapted to displace in a rotational manner around their axes by means of a pin secured to the latch body and guided on a non-linear Channel to effect rotation.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
E05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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INTERNATIONAL SEARCH REPORT

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