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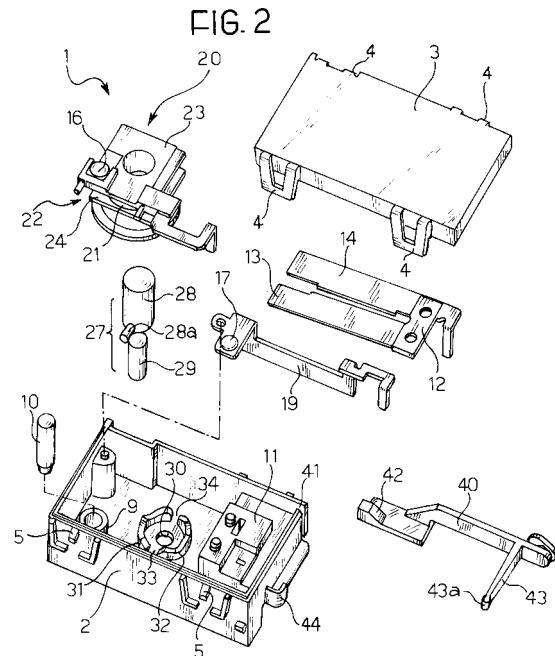
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(54) A door locking device, in particular for a domestic appliance

(57) The device (1) includes a support structure (2, 3); a retaining slider (6) operable to remain in a rest position while the door is open but to move into a working position in which it retains the door in its closed position; and an electro-mechanical control device (20) including a stationary solenoid (21) for controlling the axial position of an associated core (29) which is movable along a path intersecting the trajectory of the slider (6); a resilient member (14) associated with the core (29) and cam members (31-35) associated with the core (29) and cooperating with it in such a way that each time the solenoid (21) is excited, the core (29) is returned to its axially retracted position and rotated about its axis by a predetermined amount, and each time the solenoid (21) is de-excited, the core (29) is urged back into its axially extracted position by the associated resilient member (14).

The cam members (31-35) are shaped so as to define at least first and second stable angular positions for the core (29), in which they respectively allow the core (29) to move or prevent it from moving into its axially extended position.





EUROPEAN SEARCH REPORT

Application Number
EP 05 10 5753

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The present search report has been drawn up for all claims			
1	Place of search Munich	Date of completion of the search 19 May 2009	Examiner Weinberg, Ekkehard
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			
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**ANNEX TO THE EUROPEAN SEARCH REPORT
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