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## **EUROPEAN PATENT APPLICATION**

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#### (54) Safety lock with front coupling for sliding doors

(57)A front-coupling safety lock for sliding doors, of the type that comprises a hook element (4) that is pivoted inside a casing (2) of the lock (1) and is suitable to rotate about the pivot (3) until it protrudes partially from the casing (2), engaging within a respective selvage mounted on the jamb. The hook (4) is constituted by an angular lever (4) that is pivoted to the casing (2) at one of its ends, with a tab (7) that protrudes laterally to the side of the pivoting point to which the end of a frame (8) is pivoted, the frame being suitable to perform an axial translational motion by way of the action of a key-operated cylinder (24), the frame (8) being associated with a lever (15) provided with an end tooth (16) that is suitable to engage, by way of the action of an elastic means (17), in respective seats (10a, 10b) provided on the frame (8); a rocker (20) being mounted so that it can rotate about its own central portion proximate to the angular lever (4) on the portion that lies opposite the portion provided with the protruding tab (7), the rocker having an end (20a) that is suitable to engage in a recess (23) of the angular lever (4) and an opposite end that faces a pin (19) that can slide axially within a hole (18) provided in the casing (2) and normally protrudes therefrom.

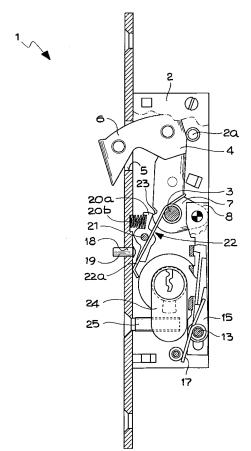


Fig.1

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# **EUROPEAN SEARCH REPORT**

Application Number EP 04 01 8552

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