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(54) **Deadbolt type lock mechanism**

(57) A deadbolt type locking mechanism (10) which is adapted to be mounted on a closing face (11) of a closure member which is co-operable, when the closure member is moved to a closed position in a fixed outer frame, with corresponding keeper elements in the fixed outer frame, and said mechanism comprising: a deadbolt (12) which is movable to and fro between locked and unlocking positions in a direction generally perpendicular to the closing face (11); at least one additional locking component which is actuated between locked and unlocked positions by a respective actuator element which is movable linearly in a direction generally parallel to the closing face; a spring-loaded latch (13) which is movable to and fro, in a direction generally perpendicular to the closing face (11), between a latched position and an unlatched position with respect to a corresponding keeper element provided in the fixed frame; an actuator mechanism (14) which is operative in one mode in order to actuate the deadbolt (12) and said additional locking component to move to the respective locked positions, and operative in another mode in order (a) to move the deadbolt (12) and the additional locking component from their locked positions to their unlocked po-

sitions, and (b) to unlatch the spring-loaded latch (13); a key-operated locking barrel (15) which is operative to maintain the deadbolt (12) and the additional locking component in their respective locked positions, and to prevent unlocking movement of the deadbolt (12) by said actuator mechanism (14); and, a motion-transmitting mechanism operative between the locking barrel (15) and the deadbolt (12) and said additional locking component, said mechanism including: (a) a tumbler (17) which is movable between a release position in which it allows movement of the deadbolt (12) and the additional locking component between locked and unlocked positions by operation of the actuator mechanism (14), and a blocking position in which return movement of the deadbolt and the additional locking component from the locked positions to the unlocked positions is prevented; and (b) a trigger mechanism (16) operative by the locking barrel (15) to move between an engaged position with the tumbler (17), which maintains the tumbler in the release position, and a withdrawn position which allows the tumbler (17) to move to the blocking position.

EP 1 231 343 A3

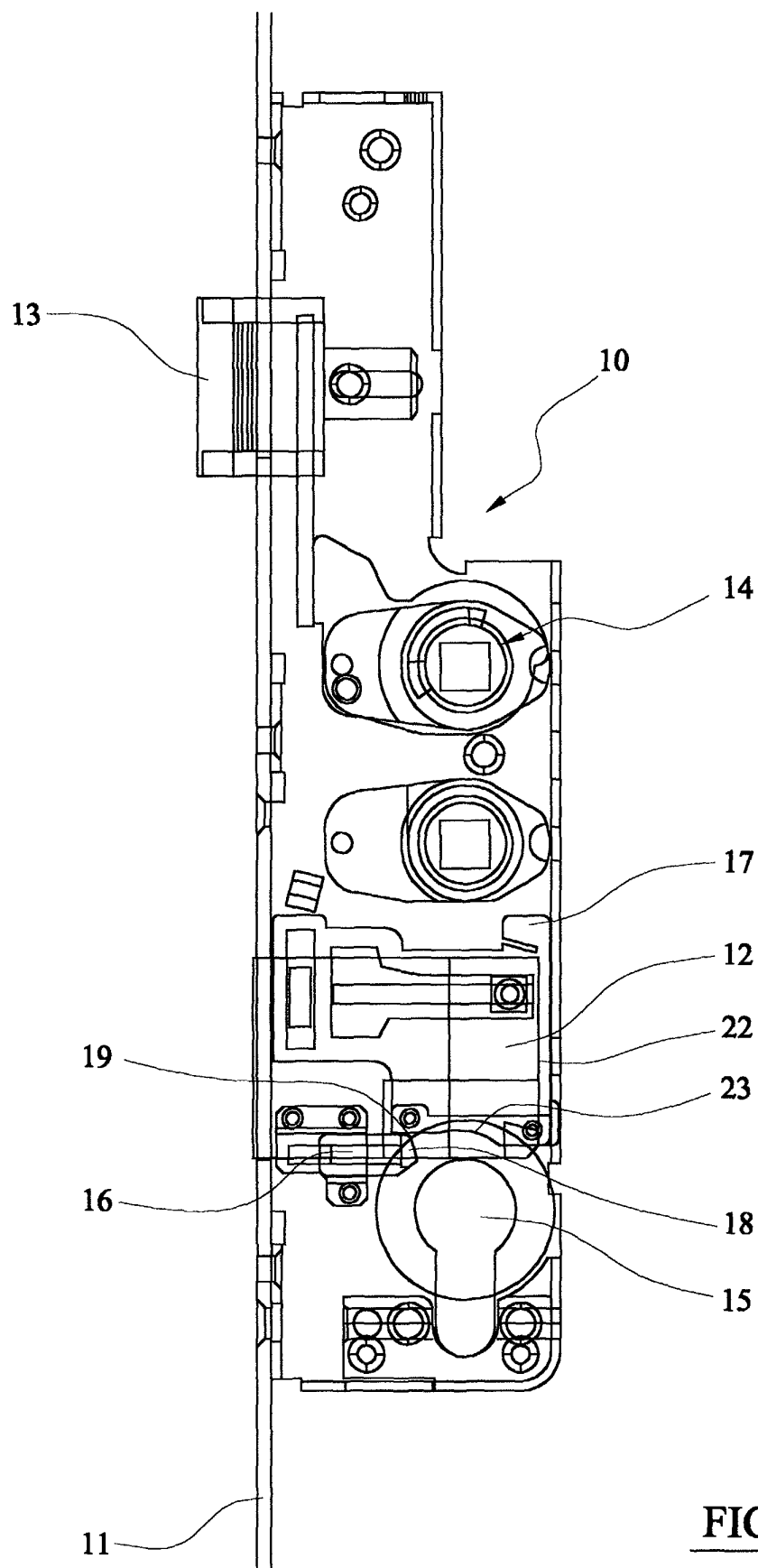


FIG. 1



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			E05C E05B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 13 November 2002	Examiner Pieracci, A
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EP 02 25 0286

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