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(54) Title: PROGRAMMABLE CYLINDER LOCK AND KEYS FOR THE OPERATION THEREOF

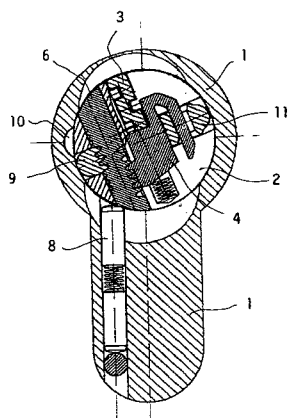


FIG. 2

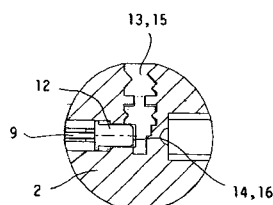


FIG. 3

(57) Abstract: A programmable cylinder lock comprising a stator (1) and a cylindrical rotor (2), mounted inside stator (1) for rotation around its own axis and having a keyhole for insertion of a key (3), and comprising inside rotor (1) a number of key followers (5) movable along the longitudinal and transversal directions, intended to cooperate with a key inserted into the keyhole of rotor (2), and locking pins (6) movable along the longitudinal direction, the key followers (5) and locking pins (6) forming together a number of pairs and having toothings intended to mutually cooperate in order to define the lock codification, rotor (2) including a stop bar (9) cooperating with a longitudinal groove (10) of stator (1) and susceptible of cooperating with the locking pins (6) in order to immobilize them, and comprising a change bar (11) which is slidingly coupled with the key followers (5) in order to normally keeping the key followers (5) engaged with the locking pins (6) and to disengage them from the locking pins (6) when said change bar (11) provides a lock programming position, wherein the stop bar (9) has projections (12) facing the keyhole of rotor (2) intended to receive the key (13, 15), and the use key (13) has in its side surface some recesses (14) so located as to place themselves facing the projections (12) of the stop bar (9) when the key (13) is correctly inserted in the lock, whereas the corresponding change key (15) has a longitudinal groove (16) extending in a position corresponding to the recesses (14) of the use key (13).



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