



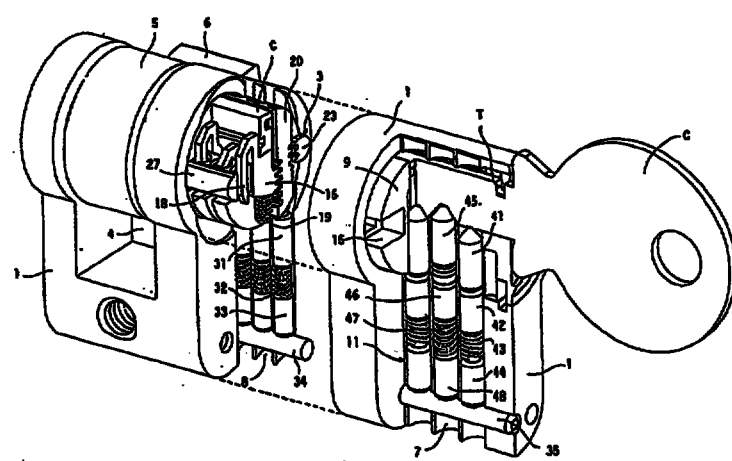
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(54) Title: A PROGRAMMABLE CYLINDER LOCK, PROVIDED WITH MASTER KEYS



(57) Abstract

A programmable cylinder lock comprising, in a stator (1) and a rotor (9), mechanisms (16-34) intended to allow, through a change operation, adapting the lock to a key different from a key (C) to which the lock itself was formerly adapted, which lock further comprises in combination a masterization device with at least one locking pin (45) or locking counter-pin (46) which is subdivided in two or more sections, suitable for being displaced to an opening position by action of two or more keys (C) having different shapes, thus allowing to provide master keys, possibly arranged on more than one level. Preferably the lock includes an elastic fork-shaped ring (39) housed in its stator (1) and co-operating with the rotor (9) in order to limit, during the change operation, the free section of a keyhole (10), whereby only specific keys (C) having a special shape are allowed to be taken out from the keyhole (10) in the change position, thus allowing reprogramming the lock. The lock may further include pins (49) of very hard material inserted in the lock rotor (9) in order to prevent the effraction by means of drills or similar tools.