

ABSTRACT

CYLINDER LOCK - KEY - COMBINATION

A disc cylinder lock - key - combination, comprises a cylinder housing (1) and inside thereof, a turnable inner cylinder (2) enclosing a stack of discs including a number of locking discs (3, 4). The locking discs (3, 4) are turnable by means of the key (12) of the lock into a releasing position of the lock mechanism. The key opening (6, 7) of the locking discs (3, 4) is so formed that it comprises at least one internal protrusion (21) narrowing a part of the key opening (6, 7). The adjacent sides of the protrusion (21) can be substantially perpendicular with respect to each other. One side of the protrusion (21) forms a combination surface (22) arranged to cooperate with a corresponding combination surface (27) in the key (12) for determining the turning movement of a locking disc (3, 4) to open the lock and the other side of the protrusion (21) forms a return surface (23) for the locking disc (3, 4) on which the key (12) acts by means of a guiding element (14) when returning a locking disc (3, 4) into its locked position.

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REPLACED

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