

Title (en)

LOCKING SYSTEM WITH SECURITY TURNING KEYS

Title (de)

SCHLIESSSYSTEM MIT SICHERHEITS-WENDESCHLÜSSELN

Title (fr)

SYSTÈME DE FERMETURE AVEC CLÉS RÉVERSIBLES DE SÉCURITÉ

Publication

**EP 2094922 B1 20151202 (DE)**

Application

**EP 07845625 A 20071212**

Priority

- CH 2007000628 W 20071212
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Abstract (en)

[origin: WO2008074171A1] The locking system has security turning keys (S) and associated cylinders (Z). At the key tips, the keys and also the blanks (S1) thereof have a concave recess (10) which interacts with a convex formation (20) on a displaceable counterpart (21) in the cylinders such that, when the key is entirely inserted, the concave recess (10) rests flat on the convex formation (20) on the counterpart, and a key without said concave recess is locked out (a) by the convex formation of the counterpart, thus preventing complete insertion, and such that a locking or switching function is made possible by the counterpart. Starting from the key tip, the concave recess (10) first of all has a first inclination (N1) and subsequently a second inclination (N2) to the key axis, with the second inclination being greater than the first inclination. These concave recesses (10) which are difficult to copy are already provided on the blanks. This provides protection for the blanks, and the security and permutation capacity of the locking system are increased.

IPC 8 full level

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CPC (source: EP)

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