

Title (en)
MAGNETICALLY CONTROLLED LOCKING DEVICE

Title (de)
MAGNETISCH GESTEUERTE SPERRVORRICHTUNG

Title (fr)
DISPOSITIF DE VERROUILLAGE A COMMANDE MAGNETIQUE

Publication
EP 1601848 A1 20051207 (FR)

Application
EP 03816340 A 20030217

Priority
FR 0300511 W 20030217

Abstract (en)
[origin: WO2004083574A1] The device comprises a stator (14) and a rotor (9) rotated by a key (8). The latter comprises several bushings (20c) which clasp the magnets (10c) and attract or repel magnets (10b1, 10b2) having a complementary or identical polarity and which are disposed inside the bushings (20b) such that they move inside the housings (17) of the rotor (9). In order to maintain the angular position thereof and to facilitate translatory guidance, the bushings (20b) comprise a rotational locking element (22) which engages into a groove (23) of the corresponding housing (17). In order to increase the number of combinations, each bushing (20b) of the rotor (9) or key (8) houses two magnets (10b1, 10b2) having inverted polarity or a magnet provided with at least one bipolar extremity, which are adapted in such a way that they can occupy different angular positions about a longitudinal axis (BB') of the bushing (20b, 20c). Such a device, by virtue of the precision of the relative movements of the axis and the high number of possible combinations, makes it possible to increase the inviolability of a locking device designed to prevent access to an opening.

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IPC 8 full level
E05B 47/00 (2006.01); **E05B 27/08** (2006.01)

CPC (source: EP US)
E05B 47/0044 (2013.01 - EP US); **E05B 27/08** (2013.01 - EP US); **Y10T 70/7057** (2015.04 - EP US)

Citation (search report)
See references of WO 2004083574A1

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