

Title (en)

MAGNETIC CLOSURE DEVICE USING CONCENTRIC INTERLOCKING OF THE PARTS FORMING THE MAGNETIC ASSEMBLIES WITH AUTOMATIC CENTRING AND DOUBLE INSERTION

Title (de)

MAGNETISCHE VERSCHLUSSVORRICHTUNG MIT KONZENTRISCHER VERRIEGELUNG DER TEILE, DIE DIE MAGNETANORDNUNGEN BILDEN, MIT AUTOMATISCHER ZENTRIERUNG UND DOPPELEINFÜHRUNG

Title (fr)

DISPOSITIF DE FERMETURE MAGNÉTIQUE PAR IMBRICATION CONCENTRIQUE DES PIÈCES CONSTITUTIVES DES ENSEMBLES MAGNÉTIQUES AVEC CENTRAGE AUTOMATIQUE ET DOUBLE INSERTION

Publication

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Application

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Abstract (en)

[origin: WO2019012188A1] A magnetic closure device using concentric interlocking of the parts forming the magnetic assemblies with automatic centring and double insertion, intended to removably connect a first surface (15) and a second surface (15A). In such a way that, when the two magnetic assemblies are moved towards each other, the first magnetic assembly (F) and the second magnetic assembly (M) are automatically aligned axially, the second magnetic assembly (M) is inserted into the first central opening (5E) of the first capsule (5) of the first magnetic assembly (F), thus providing a first insertion and, at the same time, the first protruding central ferromagnetic portion (2A) of the first magnetic assembly (F) is inserted into the second central opening (10E) of the second capsule (10) of the second magnetic assembly (M), thus providing the second insertion, the first (4) and second (9) magnets, respectively, of the first (F) and second (M) magnetic assemblies, are situated more or less on a same horizontal plane, the first (2A) and the second (7A) protruding ferromagnetic portions, respectively of the first and second magnetic assemblies, are connected to each other and hold the first and second magnetic assemblies together magnetically. The present invention produces a double insertion closure that is extremely thin and aesthetic. Said closure device is mainly intended for removably connecting a first surface (15) and a second surface (15A) of an article or accessory.

IPC 8 full level

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