

Title (en)
SHIELDED MAGNETIC PLUG-IN LOCK

Title (de)
ABGESCHIRMTER MAGNETSTECKVERSCHLUSS

Title (fr)
FERMETURE À FICHES MAGNÉTIQUES BLINDÉE

Publication
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Application
EP 09756240 A 20090717

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Abstract (en)
[origin: WO2010006594A2] The invention relates to a shielded magnetic lock that does not damage or negatively affect magnetically sensitive instruments or objects such as credit cards, pacemakers, magnetic data memories or magnetic tapes, especially a magnetic plug-in lock, for which a connector is plugged into a connector receiving element and held therein by magnetic holding forces or, additionally, by means of mechanical engagement. According to the invention, the connector (3) and the connector receiving element (4) are designed in such a way that the connector magnet (1) and the magnet (2) for the connector receiving element are magnetised transversally to the closing direction X, and at least one shielding plate (5) consisting of a ferromagnetic material is provided on the plug or the plug receiving element. The shielding plate covers the connector magnets and the connector receiving element magnets, and the ferromagnetic material and the thickness of the shielding plate are selected in such a way as to obtain a magnetic shielding sufficient for a pre-determined use.

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