Title (en)

ELECTROMAGNETICALLY CONTROLLABLE SAFETY LOCK

Title (de)

ELEKTROMAGNETISCH STEUERBARES SICHERHEITSSCHLOSS

Title (fr)

SERRURE DE SECURITE A COMMANDE ELECTROMAGNETIQUE

Publication

EP 0983412 A1 20000308 (DE)

Application

EP 99911579 A 19990129

Priority

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- DE 19803648 A 19980130

Abstract (en)

[origin: DE19803648A1] The invention relates to electromagnetically controllable safety locks in the field of holding magnets. The fundamental principal is that the electromagnet influences a control and blocking element such that the locking bar can be retracted during an opening impulse. The aim of the invention is to simplify, to increase the reliability of, and to expand the area of application of such locks. According to the invention, the locking bar (7) moves a slider (5) which is provided with teeth and which carries a blocking plate (2) equipped with a passage pin channel (2a). The blocking plate (2) is coupled via a spring (12) to a control plate (3) which has an angularly offset passage pin channel (3a). The control plate (3) supports an armature (13a) which can be held by an electromagnet (13) fixed to the housing when the locking bar (7) is subjected to a control movement. Both channels are aligned with the lock axis during an opening action such that the passage pin has a free path.

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E05B 47/06

IPC 8 full level

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Citation (search report)

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