

Title (en)
ELECTRONIC LOCK

Publication
EP 0235703 B1 19900613 (DE)

Application
EP 87102439 A 19870220

Priority
DE 3606620 A 19860228

Abstract (en)
[origin: US4833465A] The electronic door lock for an electronic key provided with an electronic store for a key word datum has a latch bolt (5) actuatable at least from the inside of the door by means of a handle and a bolt (7) which is lockable and unlockable by an electric drive device (35). A control circuit (81) formed especially as micro-processor reads the key word datum stored in the key, through the reading device (77), and controls the electric drive (35) in dependence thereon. The reading device (77) includes sensor elements (93, 95), especially piezo-electric elements by way of which the drive direction of the electric drive (35) is selectable by a key movement of short stroke. In order that the electronic lock may be opened manually in case of emergency, a mechanical lock cylinder (113) is provided by means of which the bolt (7) is uncoupled from the drive connection to the electric drive (35) and is bringable into a drive connection to the handle nut (23) actuating the latch bolt (5). Then by actuation of the door handle, in addition to the latch bolt (5) the bolt (7) can be unlocked. The data transmission between the reading device (77) and the electronic key takes place contactlessly by infra-red, like the working voltage supply of the key. The working voltage supply can however also take place through electric contacts.

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E05B 47/00

IPC 8 full level
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E05B 2047/0021 (2013.01 - EP US); **E05B 2047/0024** (2013.01 - EP US); **E05B 2047/0031** (2013.01 - EP US);
G07C 2009/00785 (2013.01 - EP US); **Y10T 70/7107** (2015.04 - EP US); **Y10T 70/7904** (2015.04 - EP US); **Y10T 292/1021** (2015.04 - EP US)

Cited by
CN103821412A; FR2931184A1; EP0666393A1; FR2639668A1; EP0281137A3; DE3835349A1; EP0364781A3; US5044184A; EP3279874A1; EP0244652B1

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