

Title (en)
MOTOR VEHICLE LOCK

Title (de)
KRAFTFAHRZEUGSCHLOSS

Title (fr)
SERRURE DE VÉHICULE AUTOMOBILE

Publication
EP 3748111 B1 20220420 (DE)

Application
EP 20173817 A 20200511

Priority
DE 102019115445 A 20190606

Abstract (en)
[origin: CN112049531A] The present invention relates to a motor vehicle lock with a locking mechanism (2) and a lock housing structure (6), a motorized drive arrangement (7) to actuate a mechanical lock component, a control unit (8) for the actuation of the drive arrangement, and an energy storage arrangement (9) for the electric voltage supply of the drive arrangement and/or the control unit being provided in or on the lock housing structure. The lock housing structure has an inner housing part attached to the locking mechanism and the drive arrangement, a housing cover for closing an upper side of the inner housing part, and, between the inner housing part and the housing cover, a control housing part including a control board of the control unit and the energy storage arrangement, and leadframe lines extending at least in sections along the board plane and connected electrically via the leadframe lines of the leadframe to the control board and drive arrangement.

IPC 8 full level
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Citation (opposition)
Opponent : Kiekert AG
• DE 112014004455 T5 20160623 - MAGNA CLOSURES SPA [IT]
• DE 102017202070 A1 20170824 - MAGNA CLOSURES INC [CA]
• DE 102015109494 A1 20151217 - MAGNA CLOSURES INC [CA]
• DE 19702205 A1 19980730 - KIEKERT AG [DE]
• US 9353556 B2 20160531 - MARGHERITTI ENRICO [IT], et al
• DE 102009002902 A1 20101111 - KIEKERT AG [DE]
Opponent : Kiekert Aktiengesellschaft
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