

Title (en)
Automotive and Transportation Control Systems

Title (de)
Fahrzeug- and Transportsteuersystem

Title (fr)
Systèmes de contrôle de transport et d'automobile

Publication
EP 2562333 A1 20130227 (EN)

Application
EP 11178547 A 20110823

Priority
EP 11178547 A 20110823

Abstract (en)
The invention relates to a system of a type in which providing information to predetermined and subsequently designated monitoring stations relating to the position and security of a cargo contained in a vehicle is achieved by centrally monitored locks with a central connection realized via GSM network or by means of Internet such that all of the data can be centrally monitored online. The system comprises a Global Positioning System (GPS) receiver, a microcontroller unit, a communication platform and a software platform. The high security lock configuration according to the present invention configuration comprises an electronic control circuitry associated with said microcontroller unit for driving an electric motor blocking the electronic lock, said lock being located at a physically inaccessible position from outside, and a means of identification in communication with the control circuitry and positioned on the door wing. The means of identification may be a keypad, a fingerprint reader, an ID card reader (eg MIFARE card), an ID/IB/TOM key reader or may be with a remote control. The high security lock arrangement according to the present invention features a multi-point bolt electronic lock system actuated by an electrical motor in response to a signal by said microcontroller unit. Said motor serves to advance a plurality of bolts in a door wing into respective slots in a simultaneous manner. Said bolts are attached to a carrier bar extending perpendicular to the locking axis along the longitudinal axis of said wing (19). Said carrier bar is further associated with upper and lower bolts which in turn advances into respective upper and lower slots.

IPC 8 full level
E05B 15/10 (2006.01); **B65D 90/54** (2006.01); **E05B 47/00** (2006.01); **E05B 65/14** (2006.01); **G07C 9/00** (2006.01)

CPC (source: EP)
E05B 15/108 (2013.01); **E05B 47/0012** (2013.01); **E05B 83/02** (2013.01); **E05C 9/185** (2013.01); **G07C 9/23** (2020.01);
E05B 2047/0094 (2013.01); **E05C 9/045** (2013.01)

Citation (search report)
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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2562333 A1 20130227

DOCDB simple family (application)
EP 11178547 A 20110823