

Title (en)
Vehicle door

Title (de)
Fahrzeugtür

Title (fr)
Porte de véhicule automobile

Publication
EP 1031690 B1 20040102 (FR)

Application
EP 00400133 A 20000119

Priority
FR 9902177 A 19990222

Abstract (en)
[origin: EP1031690A1] Wide side access to vehicle is obtained by omitting central pillar, rear edge of front door (10), hinged at front, adjoining front edge of rear (sliding) door, when both are closed. Without central pillar, front door lock is placed on upper or lower edge, engaging with fixing point in top or bottom of door frame (12), i.e. coach work box sections forming edge of roof (12S) or door sill (12I). Locks are at both these positions. Sill-level lock is fixed in base (14I) of door casing, and embodies rotating bolt plate (22), with two-stage latching, engaging vertical hasp-bar (16) fixed on top of sill case (12I). When door closes fully, it operates push-button switch (32) in door frame which energizes second, electrical lock (30) within door frame top (14S). Lock expels bolt (28) into recess (26) in frame (12S). Bolt is chamfered to ease entry and final sealing. Relative positions of two locks can be reversed.

IPC 1-7
E05B 65/22; **E05B 47/02**; **E05B 65/20**

IPC 8 full level
E05B 47/02 (2006.01); **E05B 65/20** (2006.01); **E05B 85/22** (2014.01); **E05B 63/14** (2006.01)

CPC (source: EP)
E05B 81/04 (2013.01); **E05B 83/38** (2013.01); **E05B 85/22** (2013.01); **E05B 63/143** (2013.01)

Cited by
DE102004041742A1; DE102007054000A1; DE10323150A1; DE10323150B4; US7320495B2; US9884542B2; WO2004103749A1; WO2015117211A1

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