

Title (en)

A POWERED VEHICLE DOOR LATCH AND ACTUATOR THEREFOR

Title (de)

KRAFTANGETRIEBENE FAHRZEUGSTÜRRVERRIEGELUNG UND BETÄTIGUNGSVORRICHTUNG DAFÜR

Title (fr)

LOQUET DE PORTIERE DE VEHICULE AUTOMOTEUR ET SON ACTIONNEUR

Publication

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Application

EP 00960256 A 20000913

Priority

- CA 0001056 W 20000913
- US 15365299 P 19990913

Abstract (en)

[origin: WO0120112A1] A latch assembly has a latch housing (12) having a mouth. A ratchet (11) is pivotally mounted within the housing (12) to cooperate with the mouth to pivot between an open and a closed condition for receiving, engaging and cinching a striker (3). The ratchet (11) is biased to the open condition. A pivotally mounted pawl (13) engages the ratchet (11) and biased to a ratchet engaging position. A pawl lever (24) engages the pawl (13) for effecting releasing rotation thereof. An inside release assembly has an inside release lever (20) pivotally mounted to the housing and connected to an inside clutch lever (32) and an override lever (46). The inside clutch lever (32) is moveable to engage and disengage the pawl lever (24). Manipulation of the inside release lever (20) effects releasing movement of the pawl lever (24) when the inside clutch lever (32) engages the pawl lever (24). An outside release assembly has an outside release lever (16) pivotally mounted to the housing (12) and connected to an outside clutch lever (30). The outside clutch lever (30) is moveable to engage and disengage the pawl lever (24). Manipulation of the outside release lever (16) effects releasing movement of the pawl lever (24) when the outside clutch lever (30) engages the pawl lever. A first motor (54) operably engages a first shaft (58) having a lock cam (66) mounted thereon. A second motor (56) operably engages a second rotatably mounted shaft (68) having a child lock cam (70) mounted thereon. The actuator housing (52) mates with the latch housing (12) such that the lock cam (66) is rotatable in the latch housing (12) to engage the inside and outside clutch lever (32, 30) and the override lever (46).

IPC 1-7

E05B 65/12; **E05B 65/20**

IPC 8 full level

E05B 65/12 (2006.01); **E05B 65/20** (2006.01)

CPC (source: EP)

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Cited by

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WO 0120112 A1 20010322; AT E282755 T1 20041215; AU 7263900 A 20010417; BR 0013945 A 20020514; CA 2382487 A1 20010322; CA 2382487 C 20070220; DE 60015990 D1 20041223; DE 60015990 T2 20051110; EP 1212501 A1 20020612; EP 1212501 B1 20041117; MX PA02002228 A 20030801

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