

Title (en)  
Locking device assisting final closing of the wing

Title (de)  
Schliesseinrichtung mit Zuziehhilfe

Title (fr)  
Serrure à fermeture assistée

Publication  
**EP 0979915 A3 20030129 (DE)**

Application  
**EP 99115448 A 19990805**

Priority  
• DE 19836200 A 19980811  
• DE 19933371 A 19990720

Abstract (en)  
[origin: EP0979915A2] The automobile door closure has a rotary latch (26) cooperating with a pin (12) for securing the door and a locking catch (24) for holding the latch in engagement with the pin in the door closed position, with an electric closure aid (18) for assisting the door movement over the last part of its closure path having a drive which is mechanically released from engagement with the door upon operation of the unlocking mechanism (52,58,66).

IPC 1-7  
**E05B 65/19**; E05B 65/20; E05B 47/00; E05B 65/12

IPC 8 full level  
**E05B 65/12** (2006.01); **E05B 65/19** (2006.01)

CPC (source: EP US)  
**E05B 81/20** (2013.01 - EP US); **E05B 81/21** (2013.01 - EP US); **E05B 83/16** (2013.01 - EP US); **Y10S 292/23** (2013.01 - EP US); **Y10T 292/1047** (2015.04 - EP US); **Y10T 292/1082** (2015.04 - EP US)

Citation (search report)  
• [XA] US 5564761 A 19961015 - MIZUKI TETSURO [JP], et al  
• [XA] US 5618068 A 19970408 - MITSUI JIRO [JP], et al  
• [X] US 4927196 A 19900522 - GIRARD JOEL [FR], et al  
• [X] US 4889371 A 19891226 - GIRARD JOEL [FR], et al

Cited by  
EP1243725A3; FR2850698A1; DE10247979B4; DE102008048772A1; CN102165129A; DE102019110253A1; WO2004074608A1; WO2020211905A1; US12012785B2

Designated contracting state (EPC)  
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DOCDB simple family (application)  
**EP 99115448 A 19990805**; US 36904299 A 19990804