

Title (en)
Locking device with assisted final closing

Title (de)
Schliesseinrichtung mit Zuziehhilfe

Title (fr)
Dispositif de verrouillage à fermeture assistée

Publication
EP 1734210 A3 20100721 (DE)

Application
EP 06011803 A 20060608

Priority
DE 102005027301 A 20050614

Abstract (en)
[origin: EP1734210A2] The closing device for the vehicle doors has an entrainment disc (14) interacting with a closing element (12) such as a catch (13) and an associated electrically operated pull-to aid (11) which moves the door over the last part into the closed position. This pull-to aid is designed as an accessory part which can be fitted to existing vehicles. The entrainment disc is formed as a spring-loaded cam plate (15) of variable diameter with two steps (17,18) which reduce in diameter to form end positions. The pull-to aid is released by a limit switch (19) in active connection with the circumferential area of the cam plate near the first step.

IPC 8 full level
E05B 47/00 (2006.01); **E05B 65/12** (2006.01)

CPC (source: EP)
E05B 81/20 (2013.01)

Citation (search report)

- [A] DE 19700887 A1 19980716 - EWALD WITTE GMBH & CO KG [DE]
- [AD] DE 19933371 A1 20000217 - MANNESMANN VDO AG [DE]
- [AP] DE 102004028790 A1 20060112 - WIMATEC MATTES GMBH [DE]

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1734210 A2 20061220; EP 1734210 A3 20100721; DE 102005027301 B3 20070208

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