Title (en)
LOCKING WEDGE SYSTEM AS VEHICLE FLAP LOCK

Title (de)
SCHLIESSKEILSYSTEM ALS FAHRZEUGKLAPPENSCHLOSS

Title (fr)
SYSTÈME DE FERMETURE À CALE POUR SERRURE D'OUVRANTS DE VEHICULES

Publication
EP 2987932 B1 20170426 (DE)

Application
EP 15002167 A 20150723

Priority
DE 102014012466 A 20140821

Abstract (en)
[origin: US2016053516A1] A latching system includes a closing wedge module with two closing wedges supported for movement relative to one another and having wedge faces, and a closing wedge holder for movably receiving the closing wedges. A holding jaw module has two holding jaws to receive the closing wedge module there between. The holding jaws have keyways configured to complement a contour of the wedge faces of the closing wedges. A drive unit moves the closing wedges apart to thereby push the wedge faces into the keyways of the holding jaws and to couple a vehicle flap with a structural part of a vehicle body. At least one of the closing wedges has a predetermined breaking point to separate into a keyway-proximal part and a closing-wedge-holder-proximal part, when the closing wedge is pushed into the keyways and a stress resistance of the closing wedge is exceeded by a mechanical load during operation.

IPC 8 full level
E05B 85/04 (2014.01); **E05B 77/10** (2014.01); **E05B 85/22** (2014.01); E05B 63/14 (2006.01); E05B 77/54 (2014.01); E05B 81/20 (2014.01)

CPC (source: EP US)
E05B 17/0062 (2013.01 - EP US); **E05B 77/10** (2013.01 - EP US); **E05B 85/04** (2013.01 - EP US); **E05B 85/22** (2013.01 - EP US); E05B 63/14 (2013.01 - EP US); E05B 77/54 (2013.01 - EP US); E05B 81/20 (2013.01 - EP US)

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EP 2987932 A1 20160224; **EP 2987932 B1 20170426**; CN 105464493 A 20160406; CN 105464493 B 20190329; DE 102014012466 A1 20160225; DE 102014012466 B4 20160310; ES 2627184 T3 20170727; US 2016053516 A1 20160225

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