

Title (en)
Self-locked and self-retained safety electrolock

Title (de)
Selbstschließendes und selbsthaltendes elektrisches Sicherheitsschloss

Title (fr)
Électro-serrure de sécurité à verrouillage automatique et auto-rétentif

Publication
EP 1870545 A3 20130227 (EN)

Application
EP 07011887 A 20070618

Priority
IT FI20060158 A 20060622

Abstract (en)
[origin: EP1870545A2] Safety lock for closing movable shutters between an opening position and a closing position, comprising a housing (56) applicable to said shutter by means of a front (23), a latch (2) sliding within said housing between a retracted position of shutter-opening and a withdrawn position of shutter-closing, a first pivot (6) sliding between a position of interference and a position of non-interference with said latch (2), said pivot having a protuberance close to the central region, a catch (3) movable between a withdrawn position of door-opening and retracted position of door-closing, the catch (3) having a striker surface (9) which is counter-shaped relative to said protuberance (4) to operate the displacement of said pivot (6) between said position of interference and said position of non-interference with said latch (2).

IPC 8 full level
E05B 47/02 (2006.01); **E05B 63/20** (2006.01); **E05B 47/00** (2006.01); **E05C 9/02** (2006.01); **E05C 9/18** (2006.01)

CPC (source: EP)
E05B 47/0002 (2013.01); **E05B 47/026** (2013.01); **E05B 63/20** (2013.01); **E05C 9/026** (2013.01); **E05B 47/0004** (2013.01); **E05B 2047/0007** (2013.01); **E05B 2047/0008** (2013.01); **E05B 2047/0068** (2013.01); **E05B 2047/0072** (2013.01); **E05B 2047/0073** (2013.01); **E05C 9/1841** (2013.01)

Citation (search report)
• [X] DE 19514742 A1 19961024 - GECO SYSTEMTECHNIK GMBH [DE]
• [A] US 2005183480 A1 20050825 - HINGSTON NEIL R [NZ], et al
• [A] WO 0144604 A1 20010621 - LOKTRONIC IND LTD [NZ], et al
• [A] WO 2004016887 A1 20040226 - HINGSTON NEIL RICHARD [NZ], et al
• [A] US 2006042334 A1 20060302 - HUANG CHIEN Y [TW]

Cited by
CN110709569A; US11371261B2; EP2390442A1; GB2551976A

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Designated extension state (EPC)
AL BA HR MK RS

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EP 07011887 A 20070618; IT FI20060158 A 20060622