

Title (en)
Tongue latch with protection

Title (de)
Zungenverriegelung mit Schutz

Title (fr)
Loquet pour languette équipé d'une protection

Publication
EP 2138655 A1 20091230 (EN)

Application
EP 08011512 A 20080625

Priority
EP 08011512 A 20080625

Abstract (en)
Disclosed herein is a tongue latch with protection comprising a metal part (1) folded in order to form two longitudinal extensions in opposite directions and in two plans (2) and (3), wherein said longitudinal extensions are connected by an slightly inclined intermediate extension (4); after a concave taper at the sides (5), said longitudinal extension (2) terminates with a circular form (6), where is provided a squared hole (7); the terminal of said opposite extension (3) has lowered edges with special cuttings (8), defining a locking system to lock the protection; said protection (9) comprises a hollow part made from a plastic material with low coefficient of friction, in the form of prism, with eight side faces formed as parallelograms and with rounded edges, having a mouthpiece with thin walls (10) to better adjust to the dimensions of the tongue; said protection (9) is connected to the terminal of the extension (3) of said tongue, where it is fitted by mechanical interference and firmly locked by the edges with special cuts (8) of said terminal.

IPC 8 full level
E05B 15/10 (2006.01); **E05B 15/16** (2006.01); **E05C 3/04** (2006.01)

CPC (source: EP)
E05C 3/042 (2013.01); **E05B 63/0056** (2013.01); **E05B 65/02** (2013.01); **E05B 2015/165** (2013.01)

Citation (applicant)
GB 2432881 A 20070606 - WESTON BODY HARDWARE LTD [GB]

Citation (search report)
• [A] GB 2432881 A 20070606 - WESTON BODY HARDWARE LTD [GB]
• [A] FR 2386670 A1 19781103 - RAYMOND A STE [FR]
• [A] DE 3720790 A1 19881013 - SOUTHCO [US]
• [A] DE 9310330 U1 19941117 - DIRAK DIETER RAMSAUER KONSTRUK [DE], et al

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CN109844247A; CN111742109A; GB2472271A; US11193313B2; US11867209B2; WO2021180877A1; WO2018054528A3; WO2019137571A1

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Designated extension state (EPC)
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