

Title (en)
RELEASABLE LOCKING MECHANISM

Title (de)
LÖSBARER VERRIEGELUNGSMECHANISMUS

Title (fr)
SYSTÈME DE FIXATION

Publication
EP 2313663 A2 20110427 (EN)

Application
EP 09741064 A 20090706

Priority
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Abstract (en)
[origin: WO2010005911A2] Devices and methods based upon the concept of a split ring having certain multiple interior angles to engage a stem or post having annular ring(s) with angular geometries that are complimentary to those of the split ring. The disclosure provides designs for a wide range of insertion and desertion forces between latch engagement stems and latch engagement bodies. Changes to insertion contact angles and contact area on engagement stems and corresponding changes to insertion contact angles and engagement areas on engagement bodies can significantly modify insertion forces required to engage various devices. Similarly, changes in degrees of angle between desertion angles and contact areas on engagement stems with corresponding changes in desertion angles and contact areas on engagement bodies will significantly modify the total desertion forces required to disengage various devices. Accordingly, the instant latching mechanism provides insertion and desertion forces that can be controlled independently of each other.

IPC 8 full level
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CPC (source: EP KR)
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Citation (search report)
See references of WO 2010005911A2

Designated contracting state (EPC)
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WO 2010005911 A2 20100114; **WO 2010005911 A3 20100826**; AU 2009268775 A1 20100114; BR PI0915658 A2 20170620; CA 2729901 A1 20100114; CN 102144102 A 20110803; EP 2313663 A2 20110427; JP 2011527409 A 20111027; KR 20110048042 A 20110509

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