

Title (en)
Locking device with a push to close - push to open mechanism

Title (de)
Push-Push-Verriegelungsmechanik

Title (fr)
Dispositif de verrouillage à ouverture et fermeture par poussée

Publication
EP 1253271 A3 20040204 (DE)

Application
EP 02005460 A 20020309

Priority
DE 10120435 A 20010426

Abstract (en)
[origin: EP1253271A2] A retarded locking mechanism is used, in which the journal (44) cooperating with the guide slot (38) is mounted on a pivotable lever (36) with an ex central mass (46, 48). In the event of a strong deceleration force acting upon the mechanism in the locking direction, the ex central mass exerts a force on the lever that pushes the journal to one side of the slot, where the journal is also urged during locking of the mechanism.

IPC 1-7
E05C 19/02; **E05B 65/12**

IPC 8 full level
E05C 19/02 (2006.01); **B60R 7/06** (2006.01); **E05B 63/22** (2006.01); **E05B 77/06** (2014.01); **E05C 21/00** (2006.01); **E05B 83/30** (2014.01)

CPC (source: EP KR US)
E05B 63/22 (2013.01 - KR); **E05B 77/06** (2013.01 - EP US); **E05B 83/30** (2013.01 - EP US); **E05C 19/022** (2013.01 - EP US);
Y10T 292/57 (2015.04 - EP US)

Citation (search report)
• [X] DE 20100804 U1 20010315 - SARNATECH PAULMANN & CRONE [DE]
• [X] DE 9412661 U1 19941006 - SIDLER GMBH & CO [DE]
• [A] EP 0610882 A2 19940817 - KATO HATSUJO KAISHA LTD [JP]
• [A] DE 911925 C 19540520 - BIROME SA COM E IND
• [A] FR 2516027 A3 19830513 - SIDLER GMBH & CO [DE]

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DE102010050800A1; DE102014000521B4; FR3061462A1; EP2796796A3; US2022372808A1; US7793995B2; WO2008013674A3;
WO2022037769A1; DE102014000521A1; DE102023104395A1

Designated contracting state (EPC)
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US 2002171251 A1 20021121

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