

Title (en)
Bolt latch for twin doors.

Title (de)
Verriegelungsschnäpper für Doppeltüren.

Title (fr)
Bouterolles pour double-porte.

Publication
EP 0010653 A1 19800514 (DE)

Application
EP 79103869 A 19791009

Priority
DE 2845110 A 19781017

Abstract (en)
[origin: US4332406A] A lock catch for doors having holding elements thereon includes a catch housing formed with at least one door-mounted holding element-receiving slot therein. At least one locking lever is pivotably mounted within the catch housing. A spring is positioned within the catch housing to normally bias the locking lever to project into the slot. A first bevelled surface is formed on the locking lever and is engageable by the holding element on the door when the door is closed, such engagement resulting in pivotal movement of the locking lever in a first direction to permit entrance of the holding element into an inner end region of the slot inwardly of the locking lever. A second bevelled surface is formed on the locking lever is engageable by the holding element of the door upon withdrawal of such element from the inner end region of the slot in which it has been locked releasably. Such engagement effects pivotal movement of the locking lever in a second and different direction to permit withdrawal of the holding element from the slot. The spring is so positioned relative to the pivot axis of the locking lever and the bevelled surfaces thereof that the effective lever arm of the locking lever when the first bevelled surface is engaged by the holding element entering the slot is greater than the effective lever arm of the spring acting on the locking lever. Further, the effective lever arm of the spring acting on the locking lever is greater than the effective lever arm of the locking lever when the second bevelled surface is engaged by the holding element during withdrawal of the holding element from the inner end region of the slot.

Abstract (de)
Bei einem Verriegelungsschnäpper für Doppeltüren, bei dem beide Türen nur in einer bestimmten Reihenfolge geschlossen und in der umgekehrten Reihenfolge wieder geöffnet werden können, wird eine große Anzugskraft für die Türen zum Ausgleich der Toleranzen allein durch besondere Ausgestaltung der türseitigen Halteelemente und der korpusseitigen Verriegelungselemente erreicht. Als Halteelemente werden Haltebolzen verwendet, die schwenkbar im Schnäppergehäuse gelagerte und abgefederte Verriegelungshebel (40, 50) steuern. Ein Verriegelungshebel (50) ist so ausgebildet, daß sein Verschwenken durch den dem anderen Verriegelungshebel (40) zugeordneten Haltebolzen bei dessen Endlage im Aufnahmeschlitz (35) verhindert wird.

IPC 1-7
E05C 7/00; **E05C 19/06**

IPC 8 full level
E05C 7/00 (2006.01); **E05C 7/06** (2006.01); **E05C 19/06** (2006.01)

CPC (source: EP US)
E05C 7/06 (2013.01 - EP US); **Y10T 292/0818** (2015.04 - EP US)

Citation (search report)

- DE 7830855 U1 19790208
- GB 1411469 A 19751022 - AISIN SEIKI
- GB 1254392 A 19711124 - TUTIWAKA ZENZE [JP]
- FR 1449823 A 19660506 - VACHETTE ETS
- DE 701171 C 19410110 - KARL GEISBERGER

Designated contracting state (EPC)
AT BE CH FR GB IT LU NL SE

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EP 0010653 A1 19800514; **EP 0010653 B1 19810909**; AT E204 T1 19810915; DE 2845110 A1 19800424; DE 2845110 C2 19820909; JP S5561674 A 19800509; US 4332406 A 19820601

DOCDB simple family (application)
EP 79103869 A 19791009; AT 79103869 T 19791009; DE 2845110 A 19781017; JP 13303479 A 19791017; US 8385779 A 19791011