

Title (en)

Locking mechanism especially for parcel containers

Title (de)

Verriegelungsmechanismus, insbesondere für Stückgut-Container

Title (fr)

Mécanisme de verrouillage, notamment pour conteneurs de colis

Publication

EP 0814223 A3 19980401 (EN)

Application

EP 97610024 A 19970616

Priority

DK 66696 A 19960617

Abstract (en)

[origin: EP0814223A2] By a locking mechanism especially for parcel containers and of the kind that comprises a base plate (2) onto which a housing (6) in the shape of a U-bend plate is mounted, wherein a pawl (8) is arranged having a hook-shaped catching end, and said pawl over a cranked and pivotally mounted spring arm (20) is connected to a turnable handle (26), and where the spring element extends through an aperture in the edge of the housing, there is a risk that a finger can be crushed in the free space (38) between the housing (6) and the spring arm (20). This problem can be solved by providing the spring arm (20) with a cranking that reduces the free space (38), but in such a way that the wanted spring force still is maintained, or by bending the material from the slot up along one of the long sides, so that it protrudes to cover the free space. Hereby the safety problem is solved without making the locking mechanism more expensive to manufacture or change its way of working.

IPC 1-7

E05C 19/14

IPC 8 full level

E05C 19/14 (2006.01)

CPC (source: EP)

E05C 19/14 (2013.01)

Citation (search report)

- [A] EP 0164971 A2 19851218 - TTB FABRICATIONS LTD [GB]
- [A] US 1871580 A 19320816 - BEADLE JOHN J
- [A] FR 2275168 A1 19760116 - DZUS FASTENER CO [US]
- [A] GB 599204 A 19480308 - BASSICK CO
- [A] US 4396217 A 19830802 - HODGSON R W [US], et al

Cited by

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Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0814223 A2 19971229; EP 0814223 A3 19980401; EP 0814223 B1 20030312; DE 69719609 D1 20030417; DE 69719609 T2 20031218; DK 0814223 T3 20030519; DK 66696 A 19971218; NO 312451 B1 20020513; NO 972772 D0 19970616; NO 972772 L 19971218

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