

Title (en)
Clamp

Title (de)
Bindevorrichtung

Title (fr)
Collier de serrage

Publication
EP 1561702 A1 20050810 (EN)

Application
EP 05380010 A 20050117

Priority
ES 200400244 U 20040205

Abstract (en)
Clamp of automatic tie constituted by a monopiece comprising a strap (3) provided in its lower face of a toothed area (6) and a locking head (2) provided with two facing side walls (4) and a tilting toothed ratchet (5). In the operative position, the strap (3) forms a loop and traverses the locking head (2) between its side walls (4), acting then the tilting toothed ratchet (5) on said toothed areas (6). The side walls (4) have weakened areas (7) which locally reduce the moment of inertia of the side walls (4) resistant to bending in the longitudinal direction of the clamp, so that when strongly tightening the clamp about an object a local bending of said locking head (2) is obtained at the level of said weakened areas (7). <IMAGE>

IPC 1-7
B65D 63/10

IPC 8 full level
B65D 63/10 (2006.01)

CPC (source: EP)
B65D 63/1072 (2013.01)

Citation (applicant)

- ES 248452 U 19801201
- ES 254661 U 19810716
- ES 271277 U 19830816
- US 5745958 A 19980505 - KALDOR ALAN [US]
- US 5890265 A 19990406 - CHRISTIAN KENNETH A [US], et al
- US 6076234 A 20000620 - KHOKHAR WASIM [US], et al
- FR 2102596 A5 19720407 - SCHMITT LUDWIG

Citation (search report)

- [XY] US 6076234 A 20000620 - KHOKHAR WASIM [US], et al
- [Y] FR 2102596 A5 19720407 - SCHMITT LUDWIG
- [Y] US 5267373 A 19931207 - CHISEK J CLARK [US]
- [A] US 5911367 A 19990615 - MCINERNEY GREGORY CHARLES [AU]
- [A] GB 2308153 A 19970618 - BOWTHORPE PLC [GB], et al
- [A] US 6119314 A 20000919 - FREED ANNA B [US]

Cited by
NL1033810C2; CN111689062A; WO2008136660A1

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