

Title (en)
END SECURING DEVICE FOR BANDS.

Publication
EP 0625464 A3 19941228

Application
EP 94101446 A 19940201

Priority
DE 4313641 A 19930426

Abstract (en)
[origin: CA2119944A1] Fastener for fastening together the ends of a length of steel strap wrapped around a package in a package strapper. It has a top and a bottom. The top is above the section of a track where the fastening is established. The bottom is below the same section. The top is accommodated in a housing that pivots on the bottom on a hinge paralleling the track. The top comprises strap-shaping punches, a strap clamp, and a strap cutter. The bottom comprises a strap-shaping die mounted on a base and facing the punches. The pivot simultaneously constitutes a rotating shaft that drives all the fastener's moving parts by way of cams, eccentrics, or levers and rods.

IPC 1-7
B65B 13/30

IPC 8 full level
B65B 13/30 (2006.01)

CPC (source: EP US)
B65B 13/30 (2013.01 - EP US)

Citation (search report)
• [A] US 3804001 A 19740416 - LONGERICH W, et al
• [A] GB 2144092 A 19850227 - HOFFMANN CYKLOP
• [A] US 4020756 A 19770503 - WEISS MAX
• [A] CH 595242 A5 19780215 - FROMM AG

Cited by
CN1068842C

Designated contracting state (EPC)
BE CH DE ES FR IT LI NL

DOCDB simple family (publication)
DE 4313641 A1 19941027; CA 2119944 A1 19941027; CA 2119944 C 20050809; CZ 100294 A3 19941215; CZ 288553 B6 20010711; DE 59403836 D1 19971002; EP 0625464 A2 19941123; EP 0625464 A3 19941228; EP 0625464 B1 19970827; ES 2064299 T1 19950201; ES 2064299 T3 19971016; US 5501252 A 19960326

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