

Title (en)
End securing device for bands

Title (de)
Verschlusseinrichtung

Title (fr)
Dispositif d'amarrage des extrémités de liage

Publication
EP 0625464 B1 19970827 (DE)

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)

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

DOCDB simple family (application)
DE 4313641 A 19930426; CA 2119944 A 19940325; CZ 100294 A 19940426; DE 59403836 T 19940201; EP 94101446 A 19940201; ES 94101446 T 19940201; US 23113094 A 19940422