

Title (en)
DEVICE FOR TENSIONING A BUNDLING STRAP APPLIED AROUND A PACKAGE

Publication
EP 0100836 A3 19861230 (DE)

Application
EP 83105760 A 19830611

Priority
DE 3229869 A 19820811

Abstract (en)
[origin: US4574848A] A device for tensioning a strapping band obtained from a supply reel and positioned around a package, and for fastening the overlapping ends of the band together with a sleeveless connection, as well as for cutting off the length of strap not utilized in wrapping the package and leading from the supply reel. A motorized drive mechanism for the upper half of a band-fastening tool and that for the tensioning wheel consists of a single motor that first, while it rotates in one sense, powers a tensioning wheel which tensions the strapping band, and then, subsequent to a shift in gear that depends on the tension in the band, reverses its rotation and powers the shaft of the upper half of the band-fastening tool. The gearshift consists of a pivoting lever that can be shifted against the force of a spring out of its initial position. The pivoting lever engages a spring-loaded gearshift lever through a set screw. The pivot lever is activated by the reaction force of the drive mechanism.

IPC 1-7
B65B 13/22

IPC 8 full level
B65B 13/22 (2006.01); **B65B 13/34** (2006.01)

CPC (source: EP US)
B65B 13/345 (2013.01 - EP US)

Citation (search report)
• [A] DE 2641889 B2 19800306
• [A] CH 603313 A5 19780815 - BORBE WANNER AG

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

DOCDB simple family (publication)
EP 0100836 A2 19840222; EP 0100836 A3 19861230; EP 0100836 B1 19880511; DE 3229869 A1 19840216; DE 3229869 C2 19890727; DE 3376552 D1 19880616; US 4574848 A 19860311

DOCDB simple family (application)
EP 83105760 A 19830611; DE 3229869 A 19820811; DE 3376552 T 19830611; US 51983583 A 19830803