

Title (en)
Band-tightening apparatus for a band type strapping machine

Title (de)
Spannvorrichtung für Umreifungsmaschinen

Title (fr)
Dispositif de serrage de bande pour un appareil de cerclage

Publication
EP 0893346 B1 20010307 (DE)

Application
EP 98112520 A 19980707

Priority
DE 19730449 A 19970716

Abstract (en)
[origin: US6032440A] The invention is a machine for tying up or hooping packing units with an elongated strip of binding material, such as bondable plastic. During operation of the machine, the strip is drawn from a take-up device of a supply roller through a strip conveyor device and a strip guide, then is wound around the packing unit as a loop. The loop is tightened by means of a tensioning assembly comprising a tension roller and a pressing device which presses the strip against the tension roller, such that the loop is placed under tension. Once the packing unit is tightly secured, the strip is sealed by means of a sealing device. The present hoop-casing machine permits a high tension force to be exerted on the strip loop to be sealed. For this purpose, the tension roller comprises on its peripheral surface a high friction surface. At least one rejecter is provided for preventing excess wear on the high friction surface during the tensioning step. The rejecters can be moved between the strip and the friction surface of the tension roller.

IPC 1-7
B65B 13/22

IPC 8 full level
B65B 13/22 (2006.01)

CPC (source: EP US)
B65B 13/22 (2013.01 - EP US)

Cited by
DE102016108696A1; WO2013007157A1; TWI468321B

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

DOCDB simple family (publication)
US 6032440 A 20000307; AT E199522 T1 20010315; DE 19730449 A1 19990121; DE 59800507 D1 20010412; EP 0893346 A1 19990127; EP 0893346 B1 20010307; ES 2156423 T3 20010616

DOCDB simple family (application)
US 11684298 A 19980716; AT 98112520 T 19980707; DE 19730449 A 19970716; DE 59800507 T 19980707; EP 98112520 A 19980707; ES 98112520 T 19980707