

Title (en)
Package strapping machine

Title (de)
Vorrichtung zum Umreifen von Packstücken

Title (fr)
Machine à cercler des paquets

Publication
EP 0870679 B1 20000126 (DE)

Application
EP 98104203 A 19980310

Priority
DE 19714309 A 19970408

Abstract (en)
[origin: EP0870679A1] A reel of thermoplastic strap (55) is rotatably mounted onto the side of the device and a feeds into the device through a pair of motor driven rollers (16) to a store area (17). A second pair of reversible friction rollers (18) drive the strap into the strap guide channel (12) via a high tension tightening drum (19) followed by a strap clamp (20) and guide channel (21) to the closing unit (15). When the package is wrapped tautly via the reversible friction rollers, the end sections are overlapped and friction welded. Friction welding is achieved where clamps either side of the overlapping region press one strap section against a counter-support and an oscillator vibrates one strap end portion against the other at high frequency, causing a friction weld.

IPC 1-7
B65B 13/32

IPC 8 full level
B65B 13/32 (2006.01)

CPC (source: EP)
B65B 13/322 (2013.01)

Cited by
DE10016717A1; DE10016717C2; US6708606B1; US7204187B2; WO03026967A1

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CH DE ES FR GB IT LI NL

DOCDB simple family (publication)
EP 0870679 A1 19981014; EP 0870679 B1 20000126; AU 694711 B1 19980723; DE 19714309 A1 19981015; DE 59800086 D1 20000302; ES 2144325 T3 20000601; NZ 330120 A 19990528

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EP 98104203 A 19980310; AU 5950298 A 19980325; DE 19714309 A 19970408; DE 59800086 T 19980310; ES 98104203 T 19980310; NZ 33012098 A 19980403