

Title (en)  
MACHINE FOR WRAPPING A PILE WITH A STRIP

Publication  
**EP 0163667 B1 19880420 (DE)**

Application  
**EP 84904081 A 19841115**

Priority  
CH 612583 A 19831115

Abstract (en)  
[origin: WO8502161A1] For wrapping in parallel or crosswise goods (28) on a palette (29) by means of a strip, an upper carriage (5) may be displaced in elevation against an upright (1). A vertical shaft (16) is mounted on the bracket (15) of the carriage (5). A horizontal portion (21) of a wrapping arm is secured under the hollow arm (16) and becomes a part (22) projecting perpendicularly downwardly. A strip reserve bobbin (19) is arranged either on the shaft or on the horizontal part (21) facing the vertical part (22). The strip (20) starts from the bobbin (19) and passes by return pulleys (23) through the horizontal part (21) and the vertical part (22) to arrive to the bracket (25) of a lower carriage (6). There is provided on said lower carriage a unit (24) to hold attached and cut the strip (20). Both carriages (5, 6) comprise separate units for height adjustment purposes.

IPC 1-7  
**B65B 13/10**

IPC 8 full level  
**B65B 13/10** (2006.01)

CPC (source: EP US)  
**B65B 13/10** (2013.01 - EP US)

Citation (examination)  
US 4109445 A 19780829 - SHULMAN MICHAEL H

Designated contracting state (EPC)  
DE FR GB NL SE

DOCDB simple family (publication)  
**WO 8502161 A1 19850523**; AU 3555284 A 19850603; CA 1238847 A 19880705; CH 661697 A5 19870814; DE 3470507 D1 19880526; DK 318785 A 19850712; DK 318785 D0 19850712; EP 0163667 A1 19851211; EP 0163667 B1 19880420; ES 537676 A0 19850816; ES 8507065 A1 19850816; IT 1181794 B 19870930; IT 8485662 A0 19841115; JP S61500422 A 19860313; KR 850700128 A 19851025; KR 930011364 B1 19931204; US 4693060 A 19870915

DOCDB simple family (application)  
**CH 8400181 W 19841115**; AU 3555284 A 19841115; CA 467797 A 19841114; CH 612583 A 19831115; DE 3470507 T 19841115; DK 318785 A 19850712; EP 84904081 A 19841115; ES 537676 A 19841115; IT 8566284 A 19841115; JP 50408184 A 19841115; KR 850700122 A 19850713; US 93192786 A 19861117