

Title (en)
DEVICE FOR UNWINDING FLEXIBLE FLAT PRODUCTS FROM A ROLL

Publication
EP 0447903 B1 19930303 (DE)

Application
EP 91103639 A 19910309

Priority
CH 97190 A 19900323

Abstract (en)
[origin: EP0447903A1] The unwinding device (10) has a vertically adjustable bearing arrangement (17) for the mounting of the roll unit (18). The roll core (19) carries the roll (20) composed of printed products (22) wound together with the wrapping band (21). For unwinding the printed products (22) and for the circumferential drive of the roll unit (18), the latter is lowered onto the round bands (28, 28') drivable in the direction of the arrow A. The band reel (42) comes to bear on the wrapping band (21) on the circumference (104) of the roll (20). The band reel (42) has means for intercepting and taking over the outer end of the wrapping band (21). It is consequently no longer necessary to release the wrapping-band end from the roll (20) by hand and fasten it to the band reel (42). <IMAGE>

IPC 1-7
B65H 5/28; B65H 29/00

IPC 8 full level
B65H 19/10 (2006.01); **B65H 5/28** (2006.01); **B65H 20/06** (2006.01); **B65H 29/00** (2006.01)

CPC (source: EP US)
B65H 5/28 (2013.01 - EP US); **B65H 29/006** (2013.01 - EP US); **B65H 2301/41922** (2013.01 - EP US); **B65H 2701/1932** (2013.01 - EP US)

Cited by
EP1155990A1; DE19505312C2; US6520446B2; EP0790204A1

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

DOCDB simple family (publication)
EP 0447903 A1 19910925; EP 0447903 B1 19930303; AT E86221 T1 19930315; AU 634023 B2 19930211; AU 7105091 A 19911003; CA 2038593 A1 19910924; CH 684267 A5 19940815; DE 59100048 D1 19930408; ES 2026432 T1 19920501; ES 2026432 T3 19930701; FI 911407 A0 19910322; FI 911407 A 19910924; JP 2990389 B2 19991213; JP H04226248 A 19920814; RU 2043964 C1 19950920; US 5158242 A 19921027

DOCDB simple family (application)
EP 91103639 A 19910309; AT 91103639 T 19910309; AU 7105091 A 19910214; CA 2038593 A 19910319; CH 97190 A 19900323; DE 59100048 T 19910309; ES 91103639 T 19910309; FI 911407 A 19910322; JP 13539591 A 19910307; SU 4894936 A 19910322; US 67217291 A 19910319