

Title (en)
Web winding system

Title (de)
Bahnwickelsystem

Title (fr)
Système à enrouler une bande

Publication
EP 0999160 B1 20021211 (EN)

Application
EP 00100364 A 19930120

Priority

- EP 96108947 A 19930120
- EP 93904507 A 19930120
- US 82337992 A 19920121
- US 82366592 A 19920121
- US 82396192 A 19920121

Abstract (en)
[origin: WO9314013A2] A web winding system (10) for winding adhesive backed web (12) on cores (14) mounted on wind-up spindles (28, 30). The web (12) is supported on a rotating suction drum (24). A knife (32) mounted on a rotating wheel (34) cuts the web (12) against the supporting drum (24). A tab bar (68) is mounted on the wheel (34) adjacent to the knife (32), and applies a tab (60) to the web (12) in registration with the cut. In a second position of the wheel (34) a tab source (70) moves toward the tab bar (68) and applies a tab (60) to its surface (68). The knife (32) is heated by a heater (35) to a temperature above adhesive softening and below adhesive carbonizing to prevent adhesive to stick to or to accumulate on the knife (32). The web (12) is lead to the supporting drum (24) around a stationary gapping roller (18) and a retractable gapping roller (22), mounted on an arm (42) which is pivotable around roller (10). When the knife (32) has cut the web (12) the arm (42) pivots clockwise, and lengthens the distance between retractable roller (22) and supporting drum (24), thus forcing the web to slide on the drum (24), and to form a gap between the leading cut end (36) and the trailing cut end (36) of the web. The gap allows for flying transfer of the web between the cores (14) on the two wind-up spindles (28, 30).

IPC 1-7
B65H 19/29; **B65H 19/22**; **B65H 19/26**

IPC 8 full level
B26D 7/10 (2006.01); **B26D 7/27** (2006.01); **B65H 19/22** (2006.01); **B65H 19/26** (2006.01); **B65H 19/29** (2006.01)

CPC (source: EP)
B26D 7/10 (2013.01); **B26D 7/27** (2013.01); **B65H 19/22** (2013.01); **B65H 19/2238** (2013.01); **B65H 19/26** (2013.01); **B65H 19/29** (2013.01); **B65H 2301/4148** (2013.01); **B65H 2301/41894** (2013.01); **B65H 2408/2312** (2013.01); **B65H 2701/377** (2013.01)

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
WO 9314013 A2 19930722; **WO 9314013 A3 19940106**; AU 3583893 A 19930803; AU 673156 B2 19961031; AU 6803096 A 19970109; AU 681833 B2 19970904; CA 2127285 A1 19930722; CA 2127285 C 20010911; CZ 175494 A3 19950118; DE 69306752 D1 19970130; DE 69306752 T2 19970605; DE 69329470 D1 20001026; DE 69329470 T2 20010419; DE 69332572 D1 20030123; DE 69332572 T2 20030731; EP 0620799 A1 19941026; EP 0620799 B1 19961218; EP 0733571 A2 19960925; EP 0733571 A3 19961227; EP 0733571 B1 20000920; EP 0999160 A2 20000510; EP 0999160 A3 20000524; EP 0999160 B1 20021211; HK 1006962 A1 19990326; JP 3315407 B2 20020819; JP H07502958 A 19950330; SK 88894 A3 19941109

DOCDB simple family (application)
US 9300368 W 19930120; AU 3583893 A 19930120; AU 6803096 A 19961004; CA 2127285 A 19930120; CZ 175494 A 19930120; DE 69306752 T 19930120; DE 69329470 T 19930120; DE 69332572 T 19930120; EP 00100364 A 19930120; EP 93904507 A 19930120; EP 96108947 A 19930120; HK 98106149 A 19980623; JP 51267793 A 19930120; SK 88894 A 19940721