

Title (en)
PACKING MACHINE, PARTICULARLY FOR CIGARETTES

Publication
EP 0337140 A3 19900829 (DE)

Application
EP 89104614 A 19890315

Priority
DE 3812514 A 19880415

Abstract (en)
[origin: EP0337140A2] Supplying packaging material in web form to high-output packaging machines has hitherto been labour-intensive. The packaging material must be fed in the form of reels (13) to the packaging machine and conveyed in the region thereof to a working spindle (11, 12). For this, manual intervention was hitherto required. <??>For the fully mechanical transfer of reels (13) from a reel stock (15) to one of two working spindles (11, 12), use is made of a transport spindle (20) mounted on a transport arm (21). The reels (13) are transferred from said spindle (20) to a working spindle (11, 12) by axially parallel displacement of a driver, namely a pushing sleeve (44) actuated by the transport arm. Furthermore, the transport arm (21) and sleeve strippers (51, 52) mounted thereon are used to strip a reel core (14) of a completely unwound reel (13a) from the working spindle (11, 12). <??>The reels (13) of the packaging material are in this case supplied to the packaging machine completely automatically with the exclusion of manual intervention. <IMAGE>

IPC 1-7
B65H 19/12

IPC 8 full level
B31B 3/02 (2006.01); **B65B 19/02** (2006.01); **B65B 41/12** (2006.01); **B65H 16/04** (2006.01); **B65H 19/10** (2006.01); **B65H 19/12** (2006.01)

CPC (source: EP US)
B65H 19/123 (2013.01 - EP US); **B65H 2301/413223** (2013.01 - EP US); **B65H 2301/4172** (2013.01 - EP US);
B65H 2301/4173 (2013.01 - EP US); **B65H 2301/41745** (2013.01 - EP US)

Citation (search report)
• [Y] EP 0260453 A2 19880323 - FOCKE & CO [DE]
• [Y] FR 1505340 A 19671215 - NOVACEL SA

Cited by
EP0644140A3; EP0559581A1; IT202100019877A1; WO2023007288A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 0337140 A2 19891018; EP 0337140 A3 19900829; EP 0337140 B1 19930915; AU 3305489 A 19891019; AU 617790 B2 19911205; BR 8901798 A 19891128; CA 1334022 C 19950117; CN 1017229 B 19920701; CN 1038989 A 19900124; DE 3812514 A1 19891026; DE 3812514 C2 19980129; DE 58905586 D1 19931021; DE 58909414 D1 19951005; EP 0524660 A1 19930127; EP 0524660 B1 19950830; JP 2574459 B2 19970122; JP H0228454 A 19900130; US 5031381 A 19910716

DOCDB simple family (application)
EP 89104614 A 19890315; AU 3305489 A 19890414; BR 8901798 A 19890414; CA 596043 A 19890407; CN 89103183 A 19890415; DE 3812514 A 19880415; DE 58905586 T 19890315; DE 58909414 T 19890315; EP 92115548 A 19890315; JP 9506389 A 19890414; US 33769389 A 19890413