

Title (en)
WINDING MACHINE

Title (de)
WICKELMASCHINE

Title (fr)
MACHINE D'ENROULEMENT

Publication
EP 0781251 A1 19970702 (DE)

Application
EP 95932663 A 19950905

Priority
• DE 9414449 U 19940906
• EP 9503477 W 19950905

Abstract (en)
[origin: CA2199402A1] The invention concerns a winding machine for winding up webs, possibly longitudinally divided webs, and preferably paper webs (PB). The winding machine comprises two support rollers (TW1 and TW2) which support, in a winding bed, the rolls (R; R'; R"; R""; ...) to be produced and of which possibly one or both comprise casings (M1 and M2) which can be deformed, preferably to different degrees. During the winding process, the web (PB) running through the spacer gap (G) between the two support rollers (TW1 and TW2) partially wraps around one of the two support rollers (TW1). The winding machine further comprises a space (DR) delimited by the two support rollers (TW1 and TW2) and the partly formed roll (R; ...), as well as means for sealing this space (DR) at its ends (E) and from below the spacer gap (G) between the two support rollers (TW1 and TW2). Finally, the winding machine comprises means for generating an excess pressure in the space (DR) in order to balance the inherent weight of the roll (R; ...). Below the spacer gap (G) the sealing comprises a pivotable side wall (11) which extends substantially over the entire maximum web width of the roll (R; ...) to be produced and whose pivot axis (11A) extends approximately parallel to the support roller axes. The side wall (11) can be pivoted sealingly towards the support roller (TW1), around which the web (PB) is wrapped, whilst leaving free a web passage gap (GP) for the winding process. The side wall (11) can be moved, in particular pivoted, away from the support roller (TW1), around which the web is wrapped, for the introduction of the web (PB).

IPC 1-7
B65H 18/20

IPC 8 full level
B65H 18/20 (2006.01); **B65H 18/26** (2006.01)

CPC (source: EP KR US)
B65H 18/20 (2013.01 - EP KR US); **B65H 18/26** (2013.01 - EP US); **B65H 2301/414866** (2013.01 - EP US); **B65H 2406/00** (2013.01 - EP US); **B65H 2406/11** (2013.01 - EP US); **B65H 2406/13** (2013.01 - EP US); **B65H 2406/131** (2013.01 - EP US); **B65H 2408/2321** (2013.01 - EP US); **B65H 2601/22** (2013.01 - EP US)

Citation (search report)
See references of WO 9607608A1

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

DOCDB simple family (publication)
DE 9414449 U1 19960111; AT E182123 T1 19990715; BR 9508887 A 19980113; CA 2199402 A1 19960314; DE 59506397 D1 19990819; EP 0781251 A1 19970702; EP 0781251 B1 19990714; EP 0918032 A2 19990526; EP 0918032 A3 19990616; ES 2135766 T3 19991101; FI 970951 A0 19970306; FI 970951 A 19970306; JP H10505050 A 19980519; KR 970705508 A 19971009; US 5829709 A 19981103; US 5924647 A 19990720; WO 9607608 A1 19960314

DOCDB simple family (application)
DE 9414449 U 19940906; AT 95932663 T 19950905; BR 9508887 A 19950905; CA 2199402 A 19950905; DE 59506397 T 19950905; EP 9503477 W 19950905; EP 95932663 A 19950905; EP 98118762 A 19950905; ES 95932663 T 19950905; FI 970951 A 19970306; JP 50920396 A 19950905; KR 19970701478 A 19970306; US 11917998 A 19980720; US 79374097 A 19970814