

Title (en)  
Winding machine

Title (de)  
Wickelmaschine

Title (fr)  
Enrouleuse

Publication  
**EP 0995707 B1 20041201 (DE)**

Application  
**EP 99118126 A 19990911**

Priority  
DE 19848816 A 19981022

Abstract (en)  
[origin: EP0995707A2] The winding machine includes a support drum (12) with suction, and a winding gap (18) formed between the support drum and cylinder drum (16). The support drum which has a perforated sleeve and/or circumferential grooves has suction applied from outside on the circumferential area which is not looped by the perforated support belt (40) and material web (14). The guide end for subsequent guidance onto the cylinder roller (16) from the inlet roller (24) to the outlet roller (42) is both supported by the support belt (40) and also fixed by vacuum inside of the support belt. The support belt loops round the inlet roller in the transition area.

IPC 1-7  
**B65H 19/22**

IPC 8 full level  
**B65H 18/22** (2006.01); **B65H 19/22** (2006.01)

CPC (source: EP US)  
**B65H 18/22** (2013.01 - EP US); **B65H 19/2261** (2013.01 - EP US); **B65H 2301/41414** (2013.01 - EP US); **B65H 2408/236** (2013.01 - EP US)

Cited by  
WO2010112439A1; DE10338781A1; EP1714928A3; WO0071453A1; WO2008015089A3; DE102009002077A1

Designated contracting state (EPC)  
AT DE FI SE

DOCDB simple family (publication)  
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**EP 99118126 A 19990911**; AT 99118126 T 19990911; DE 19848816 A 19981022; DE 59911182 T 19990911; US 42223799 A 19991021