

Title (en)  
PRESS-CYLINDER

Publication  
**EP 0294546 B1 19930728 (DE)**

Application  
**EP 88104805 A 19880325**

Priority  
DE 3719282 A 19870610

Abstract (en)  
[origin: US4877196A] A rider roller for use in a web-winding machine for processing a web material has grooves arranged in its surface so as to facilitate the transport of entrained air, thus avoiding puckers and wrinkles in the roll of web material which is being wound.

IPC 1-7  
**B65H 18/16**; **B65H 27/00**

IPC 8 full level  
**B65H 18/26** (2006.01); **B65H 18/16** (2006.01); **B65H 27/00** (2006.01)

CPC (source: EP US)  
**B65H 18/16** (2013.01 - EP US); **B65H 27/00** (2013.01 - EP US); **B65H 2301/414863** (2013.01 - EP US); **B65H 2404/13163** (2013.01 - EP US); **B65H 2404/43** (2013.01 - EP US); **B65H 2404/432** (2013.01 - EP US)

Cited by  
EP0683125A3; EP0728691A1; US5785273A; USRE37657E; WO9315988A1

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

DOCDB simple family (publication)  
**EP 0294546 A2 19881214**; **EP 0294546 A3 19901024**; **EP 0294546 B1 19930728**; AT E92001 T1 19930815; CA 1325439 C 19931221; DE 3719282 A1 19881222; DE 3882596 D1 19930902; ES 2059417 T3 19941116; FI 882739 A0 19880609; FI 882739 A 19881211; FI 90853 B 19931231; FI 90853 C 19940411; JP 2825496 B2 19981118; JP S63315443 A 19881223; US 4877196 A 19891031

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