

Title (en)  
Cutting and transport cylinder for webs

Title (de)  
Schneid- und Transportwalze für Materialbahnen

Title (fr)  
Cylindre de coupe et de transport pour des matériaux en bande

Publication  
**EP 0698571 B1 20020605 (DE)**

Application  
**EP 95111590 A 19950724**

Priority  
DE 9413238 U 19940817

Abstract (en)  
[origin: US5848761A] A slitting and transporting roller of the described type for sheets of material is suitable particularly as a mating roller in an apparatus for winding up sheets of film, paper and similar materials coming in continuously. In the inner cavity of the roller, a separator is inserted, which forms with the periphery of the roller the boundary at least one pressure space which extends essentially axially over the whole axial length of the roller and is in contact over penetrating boreholes in the roller sheath with the surroundings. Outside of the region of the penetrating boreholes the periphery of the roller additionally is provided with a penetrating slot, which extends, in turn, essentially over the whole axial length of the roller, for a separating slitter supported in the inner cavity of the roller.

IPC 1-7  
**B65H 19/26**; **B65H 19/22**; **B26D 1/62**

IPC 8 full level  
**B26D 1/06** (2006.01); **B26D 1/42** (2006.01); **B26D 1/62** (2006.01); **B26D 5/12** (2006.01); **B26F 3/12** (2006.01); **B65H 19/22** (2006.01); **B65H 19/26** (2006.01); **B65H 19/28** (2006.01)

CPC (source: EP US)  
**B26D 1/065** (2013.01 - EP US); **B26D 1/425** (2013.01 - EP US); **B26D 1/626** (2013.01 - EP US); **B26D 5/12** (2013.01 - EP US); **B26F 3/12** (2013.01 - EP US); **B65H 19/2215** (2013.01 - EP US); **B65H 19/2253** (2013.01 - EP US); **B65H 19/26** (2013.01 - EP US); **B65H 2301/4148** (2013.01 - EP US); **B65H 2301/41734** (2013.01 - EP US); **B65H 2301/41892** (2013.01 - EP US); **B65H 2406/30** (2013.01 - EP US); **B65H 2408/233** (2013.01 - EP US)

Cited by  
DE10051372B4; GB2309409A; GB2309409B; DE102004013649B3; CN108928661A; DE10321778A1; DE10321778B4; US6766722B2; DE10047545A1; DE10047545B4; EP1190821A3; EP3406770A1; CN108928660A; US7320269B2; US7967176B2; EP1458529B1; EP3409818B1

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

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**US 5848761 A 19981215**; AT E218492 T1 20020615; CA 2156201 A1 19960218; CA 2156201 C 20021022; DE 59510223 D1 20020711; DE 9413238 U1 19941013; DK 0698571 T3 20020916; EP 0698571 A2 19960228; EP 0698571 A3 19980128; EP 0698571 B1 20020605; ES 2177595 T3 20021216; JP H0867378 A 19960312

DOCDB simple family (application)  
**US 50670195 A 19950725**; AT 95111590 T 19950724; CA 2156201 A 19950816; DE 59510223 T 19950724; DE 9413238 U 19940817; DK 95111590 T 19950724; EP 95111590 A 19950724; ES 95111590 T 19950724; JP 20973495 A 19950817