

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

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