

Title (en)
METHOD FOR GUIDING A WEB OF MATERIAL

Title (de)
VERFAHREN ZUM FÜHREN EINER MATERIALBAHN

Title (fr)
PROCEDE PERMETTANT DE GUIDER UNE BANDE

Publication
EP 1210220 A1 20020605 (DE)

Application
EP 00949476 A 20000809

Priority
• DE 19938165 A 19990816
• EP 0007721 W 20000809

Abstract (en)
[origin: US6704978B1] The present invention relates to a method for guiding a flat web of material (1) in which the web of material (1) runs in an arrangement of rotating rollers at a web speed v_F . The web of material is guided in its peripheral region via a spreader roll (2) which produces a tensile stress in the transverse direction, i.e. crosswise relative to the machine direction of the web of material (1), wherein this tension in the transverse direction is controlled by means of closed-loop control of the circumferential speed v_R of the spreader roll (2) and/or by open-loop control of the cant angle α and/or of the wrap angle β between the surface of the spreader roll (3) and the web of material (1) and wherein the circumferential speed v_R is greater than the web speed v_F .

IPC 1-7
B29C 55/08

IPC 8 full level
B29C 55/08 (2006.01); **B65H 23/025** (2006.01)

CPC (source: EP US)
B65H 23/025 (2013.01 - EP US); **B65H 2301/512422** (2013.01 - EP US); **B65H 2404/1314** (2013.01 - EP US); **B65H 2511/216** (2013.01 - EP US); **B65H 2513/10** (2013.01 - EP US); **B65H 2515/31** (2013.01 - EP US)

Citation (search report)
See references of WO 0112418A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6704978 B1 20040316; AT E293036 T1 20050415; AU 6281400 A 20010313; AU 771910 B2 20040408; DE 19938165 A1 20010222; DE 50010054 D1 20050519; EP 1210220 A1 20020605; EP 1210220 B1 20050413; MX PA02001673 A 20020806; WO 0112418 A1 20010222; ZA 200202138 B 20021224

DOCDB simple family (application)
US 4945702 A 20020423; AT 00949476 T 20000809; AU 6281400 A 20000809; DE 19938165 A 19990816; DE 50010054 T 20000809; EP 0007721 W 20000809; EP 00949476 A 20000809; MX PA02001673 A 20000809; ZA 200202138 A 20020315