

Title (en)  
DEVICE FOR STABILISING A WEB

Title (de)  
VORRICHTUNG ZUR BAHNSTABILISIERUNG

Title (fr)  
DISPOSITIF DE STABILISATION DE BANDE

Publication  
**EP 1778915 A1 20070502 (DE)**

Application  
**EP 05761171 A 20050706**

Priority  
• EP 2005053226 W 20050706  
• DE 102004038769 A 20040809

Abstract (en)  
[origin: US2008053632A1] The invention relates to a device ( 11 ) for stabilising the transport of a material web ( 12 ) on the upper face of an air-permeable machine clothing ( 10 ), in particular a fibrous web. The device is located on the underside of the machine clothing directly upstream of an intake nip in the direction of travel ( 17 ) of the web, said nip being formed by a roll ( 5 ) and the machine clothing, and comprises a first negative-pressure zone ( 19 ) and at least one vacuum opening ( 20 ) that faces essentially in the opposite direction to the direction of travel of the web, communicating with the first negative-pressure zone of the device. This permits the boundary layer ( 23 ) of air that is carried along by the underside of the machine clothing to be at least partially sucked from said clothing into the first negative-pressure zone.

IPC 8 full level  
**D21G 9/00** (2006.01); **B65H 18/26** (2006.01); **B65H 19/22** (2006.01); **B65H 20/10** (2006.01)

CPC (source: EP US)  
**B65H 18/26** (2013.01 - EP US); **B65H 19/2207** (2013.01 - EP US); **B65H 20/10** (2013.01 - EP US); **B65H 2406/31** (2013.01 - EP US); **B65H 2406/32** (2013.01 - EP US)

Citation (search report)  
See references of WO 2006015918A1

Cited by  
US9155664B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2008053632 A1 20080306**; **US 8080132 B2 20111220**; AT E462835 T1 20100415; BR PI0515022 A 20080701; DE 102004038769 A1 20060223; DE 502005009323 D1 20100512; EP 1778915 A1 20070502; EP 1778915 B1 20100331; WO 2006015918 A1 20060216

DOCDB simple family (application)  
**US 57342405 A 20050706**; AT 05761171 T 20050706; BR PI0515022 A 20050706; DE 102004038769 A 20040809; DE 502005009323 T 20050706; EP 05761171 A 20050706; EP 2005053226 W 20050706