

Title (en)  
WEB RETENTION APPARATUS AND METHOD FOR CUTOFF BLADE

Title (de)  
VORRICHTUNG ZUR FIXIERUNG EINES BAHNFÖRMIGEN MATERIALS UND FIXIERUNGSVERFAHREN UNTER VERWENDUNG EINER SCHNEIDKLINGE

Title (fr)  
APPAREIL DE RETENTION DE TISSU ET PROCEDE DESTINE A UNE LAME DE COUPE

Publication  
**EP 1196279 A1 20020417 (EN)**

Application  
**EP 00937753 A 20000524**

Priority  
• US 0014378 W 20000524  
• US 31759199 A 19990524

Abstract (en)  
[origin: WO0071332A2] A web retention apparatus and method for securing the edge of a severed web against movement or piling up during subsequent web operations. The invention preferably utilizes a vacuum aperture which draws in and holds a portion (e.g., the edge) of a web which has been severed. The vacuum aperture is connected to a vacuum generator which creates a suction force pulling the web portion into and holding it within the vacuum aperture. For this purpose, the aperture is preferably an elongated groove or slot located near the position at which the web is cut, thereby permitting the web portion to lie near and be pulled into the vacuum aperture. The aperture can have a throat defined by one or more walls extending below the surface in which the aperture is located. The present invention finds particular applicability on a cutoff roll, where one or more cutoff blades are mounted on a cutoff roll surface. In such a system, the vacuum aperture preferably runs alongside and behind the cutoff blade and pulls (via suction through the vacuum aperture) the portion of the severed web into the vacuum aperture after the web has been cut by the cutoff blade. In other embodiments of the invention, the vacuum aperture can be located in front of the cutoff blade to secure that part of the severed web which lies in front of the cutoff blade. In fact, a vacuum aperture can be located on both sides of the cutoff blade if desired.  
[origin: WO0071332A2] A web retention apparatus (40) and method for securing the edge of a severed web (26, 28) against movement or piling up during subsequent web operations. The invention preferably utilizes a vacuum aperture (30) which draws in and holds a portion (e.g., the edge) of a web (10) within the vacuum aperture (30) by a suction force created by a vacuum generator. The aperture (30) is preferably an elongated groove or slot located near the position at which the web (10) is cut, thereby permitting the web portion to lie near and be pulled into the vacuum aperture (30). The aperture (30) can have a throat (36) defined by one or more walls (32, 34) extending below the surface (12) in which the aperture (30) is located. The present invention finds particular applicability on a cutoff roll (14), where one or more cutoff blades (20) are mounted on a cutoff roll surface (12).

IPC 1-7  
**B30B 1/00**

IPC 8 full level  
**B26D 1/38** (2006.01); **B26D 7/01** (2006.01); **B65H 35/08** (2006.01)

CPC (source: EP)  
**B26D 1/385** (2013.01); **B26D 7/015** (2013.01); **B26D 7/018** (2013.01); **B65H 35/08** (2013.01); **B65H 2406/30** (2013.01)

Designated contracting state (EPC)  
DE ES FR GB IT SE

DOCDB simple family (publication)  
**WO 0071332 A2 20001130**; **WO 0071332 A3 20011206**; AU 5288500 A 20001212; BR 0010892 A 20020716; CA 2372719 A1 20001130; EP 1196279 A1 20020417; EP 1196279 A4 20020814; MX PA01011932 A 20040316

DOCDB simple family (application)  
**US 0014378 W 20000524**; AU 5288500 A 20000524; BR 0010892 A 20000524; CA 2372719 A 20000524; EP 00937753 A 20000524; MX PA01011932 A 20000524