

Title (en)  
Press section

Title (de)  
Pressanordnung

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Section de presse

Publication  
**EP 1647628 A1 20060419 (DE)**

Application  
**EP 05106688 A 20050721**

Priority  
DE 102004050593 A 20041016

Abstract (en)  
A paper manufacturing assembly feeds a wet web (1) sandwiched between two dewatering belts (3, 4). After passing through a dewatering gap the web (1) then passes through a smoothing gap formed by two drums (11, 12). The first nip gap (8) is at least 300 mm long in the direction of travel. The dewatering belts are at least 25 m long. The smoothing gap is formed by two drums (11, 12). The upper drum is harder than the lower drum, which is capable of limited vertical displacement to allow unhindered passage of a web. Each smoothing drum has a pulp removal scraper. The web passes through a short open section under a guillotine (10) that is operated in case of web tear or damage to protect ingestion of damaged wet web into the assembly.

IPC 8 full level  
**D21F 3/04** (2006.01); **D21F 3/02** (2006.01)

CPC (source: EP US)  
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Citation (search report)

- [XY] WO 2004022845 A1 20040318 - METSO PAPER KARLSTAD AB [SE], et al
- [X] US 5762761 A 19980609 - KIVIMAA JUHA [FI], et al
- [Y] US 5147508 A 19920915 - SWEET DOUGLAS F [US]
- [A] DE 10247537 A1 20040422 - VOITH PAPER PATENT GMBH [DE]
- [A] US 5849156 A 19981215 - VALLIUS OIVA [FI]
- [A] US 6638395 B1 20031028 - ELENZ THOMAS [DE]

Cited by  
EP2305882A3; EP1978154A1; DE102010031447A1; WO2011151201A1; DE102010031450A1; WO2012007212A1; EP2305882A2; DE102009045177A1; DE102009045185A1

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