

Title (en)  
Pressing unit

Title (de)  
Anpresseinheit

Title (fr)  
Unité de pression

Publication  
**EP 2085513 A1 20090805 (DE)**

Application  
**EP 08168942 A 20081112**

Priority  
DE 102008000199 A 20080131

Abstract (en)  
The pressing unit has an axial running pressure shoe (1) which is supported at a carrier (7). The pressure shoe is adjusted opposite to the carrier in a press direction (9) in a linear manner. An active pressure unit is arranged between the pressure shoe and the carrier. Multiple transmission elements (4) are arranged to each other and are provided between the pressure unit and the pressure shoe. The transmission elements are dimensionally stable in press direction and are made of steel, aluminum or plastic. The pressure shoe is made of aluminum or aluminum alloy. An independent claim is included for a press roll with a rotating and flexible roll shell.

Abstract (de)  
Die Erfindung betrifft eine Anpresseinheit für eine Presswalze, die einen axial verlaufenden Anpressschuh (1) aufweist, der an einem Träger (7) gelagert ist, wobei der Anpressschuh (1) gegenüber dem Träger (7) in einer Pressrichtung (9) linear verschiebbar und zwischen dem Anpressschuh (1) und dem Träger (7) zumindest eine aktive Druckeinheit angeordnet ist. Dabei soll die Anpassung des Anpressschuhs (1) an eine Gegenfläche dadurch verbessert werden, dass zwischen der Druckeinheit und dem Anpressschuh (1) mehrere axial nebeneinander angeordnete Übertragungselemente (4) vorhanden sind.

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

CPC (source: EP)  
**D21F 3/0218** (2013.01)

Citation (applicant)  
WO 2005042834 A1 20050512 - VOITH PAPER PATENT GMBH [DE], et al

Citation (search report)  
• [X] WO 2004079090 A1 20040916 - METSO PAPER INC [FI], et al  
• [X] US 6045658 A 20000404 - ALHEID RICHARD [US]  
• [AD] WO 2005042834 A1 20050512 - VOITH PAPER PATENT GMBH [DE], et al

Cited by  
CN108166303A; CN103946447A; CN104831576A; DE102014208159A1; US11220785B2; WO2010028923A1; US8871060B2; WO2022084403A1; WO2012112117A1; US8673118B2; US9181655B2; WO2018114467A1; US10808359B2; EP2896743A1; WO2015107094A1; US9702084B2; EP2602387A1; US8911594B2; US9057157B2; EP2910679A1; US9410287B2; WO2019201861A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
**EP 2085513 A1 20090805; EP 2085513 B1 20110928**; AT E526450 T1 20111015; DE 102008000199 A1 20090806; PL 2085513 T3 20120229

DOCDB simple family (application)  
**EP 08168942 A 20081112**; AT 08168942 T 20081112; DE 102008000199 A 20080131; PL 08168942 T 20081112