

Title (en)  
DEVICE FOR ALIGNING SHEETS AND A METHOD FOR ALIGNING SHEETS TRANSVERSAL TO THE DIRECTION OF TRAVEL OF THE SHEETS

Title (de)  
VORRICHTUNG ZUM AUSRICHTEN VON BOGEN UND EIN VERFAHREN ZUM AUSRICHTEN VON BOGEN QUER ZUR BOGENLAUFRICHTUNG

Title (fr)  
DISPOSITIF POUR ORIENTER DES FEUILLES ET PROCEDE POUR ORIENTER DES FEUILLES TRANSVERSALEMENT AU SENS DE DEFILEMENT DES FEUILLES

Publication  
**EP 1494946 B1 20051214 (DE)**

Application  
**EP 03722206 A 20030228**

Priority  
• DE 0300672 W 20030228  
• DE 10216355 A 20020413

Abstract (en)  
[origin: WO03086923A2] The invention relates to a device for aligning sheets transversal to the direction of travel of the sheets in which a retaining device that conveys a sheet is displaceably mounted for holding the sheet against a side guide, and at least two sheets are situated one above the other in an offset manner in the direction of travel of the sheets. An effective retaining surface extends in the direction of travel of the sheets and is longer in the longitudinal direction than in the transversal direction to such an extent that a ratio of the length of the effective retaining surface in the longitudinal direction to the width of the effective retaining surface in the transversal direction is greater than three.

IPC 1-7  
**B65H 9/10**

IPC 8 full level  
**B41F 13/64** (2006.01); **B65H 5/12** (2006.01); **B65H 5/24** (2006.01); **B65H 9/00** (2006.01); **B65H 9/10** (2006.01)

CPC (source: EP US)  
**B65H 9/105** (2013.01 - EP US); **B65H 2406/33** (2013.01 - EP US)

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

DOCDB simple family (publication)  
**WO 03086923 A2 20031023; WO 03086923 A3 20040212; WO 03086923 B1 20040429**; AT E312789 T1 20051215; AT E322444 T1 20060415; AU 2003229487 A1 20031027; CN 1296262 C 20070124; CN 1646403 A 20050727; DE 10216355 A1 20031106; DE 50301931 D1 20060119; DE 50302891 D1 20060518; EP 1493698 A1 20050105; EP 1493698 B1 20060405; EP 1493698 B2 20060412; EP 1494946 A2 20050112; EP 1494946 B1 20051214; JP 2005529039 A 20050929; US 2005179196 A1 20050818; US 7357390 B2 20080415

DOCDB simple family (application)  
**DE 0300672 W 20030228**; AT 03722206 T 20030228; AT 04104432 T 20030228; AU 2003229487 A 20030228; CN 03808074 A 20030228; DE 10216355 A 20020413; DE 50301931 T 20030228; DE 50302891 T 20030228; EP 03722206 A 20030228; EP 04104432 A 20030228; JP 2003583898 A 20030228; US 51023004 A 20041013