

Title (en)  
Devices for aligning sheets transversal to the direction of travel of the sheets

Title (de)  
Vorrichtungen zum Ausrichten von Bogen quer zur Bogenlaufrichtung

Title (fr)  
Dispositifs pour aligner des feuilles transversalement au sens de défilement des feuilles

Publication  
**EP 1493698 A1 20050105 (DE)**

Application  
**EP 04104432 A 20030228**

Priority  
• DE 10216355 A 20020413  
• EP 03722206 A 20030228

Abstract (en)  
Device has a sheet-conveying retaining device (05) which is displaceably mounted for holding the sheet (10-12) against a side guide (03). At least two sheets are arranged one above the other in an offset manner in the direction of travel. An effective retaining surface extending in the direction of travel is longer in the longitudinal direction (105) than in the transverse direction. The ratio of the length of the effective retaining surface in the longitudinal direction to the width of the effective retaining surface in the transverse direction is greater than three. Independent claims are also included for the following: (1) Alternative devices for aligning sheets; and (2) Process for aligning sheets.

Abstract (de)  
Die Erfindung betrifft eine Vorrichtung zum Ausrichten von Bogen quer zur Bogenlaufrichtung, wobei eine einen Bogen transportierende Saugwalze den Bogen gegen eine Seitenmarke bewegend angeordnet ist, wobei die Saugwalze pro auszurichtenden Bogen ein halbe Umdrehung, d. h. halbtourig, ausführend angeordnet ist.

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)

Citation (search report)  
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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