

Title (en)
Device for aligning a sheet

Title (de)
Vorrichtung zur Ausrichtung eines Bogens

Title (fr)
Dispositif pour aligner une feuille

Publication
EP 1396451 A1 20040310 (DE)

Application
EP 03103926 A 20020606

Priority
• DE 10129744 A 20010620
• EP 02742796 A 20020606

Abstract (en)
The sheet alignment method has at least one drive element (32,33,34) for transporting the sheet (26) in cycles having a drive phase and a rest phase, repeated at a frequency of between 500 Hz and 15,000 Hz, each cycle providing a displacement of between 0.1 and 10 microns, the sheet aligned via a stop (28,29,31), with a sensor detecting contact of the sheet edge with the stop. An Independent claim for a sheet alignment device is also included.

Abstract (de)
Die Erfindung betrifft eine Vorrichtung zum Ausrichten eines Bogens wobei der Bogen mittels mindestens eines Antriebselementes in Zyklen gefördert wird. Der Zyklus besteht aus einer Antriebsphase und einer daran anschließenden Ruhephase und wird mit einer Frequenz von ungefähr 500 Hz bis 15.000 Hz wiederholt.

IPC 1-7
B65H 9/10; B65H 9/20; B65H 7/12

IPC 8 full level
B65H 7/12 (2006.01); **B65H 7/14** (2006.01); **B65H 9/06** (2006.01); **B65H 9/10** (2006.01); **B65H 9/20** (2006.01)

CPC (source: EP)
B65H 7/10 (2013.01); **B65H 7/125** (2013.01); **B65H 9/06** (2013.01); **B65H 9/103** (2013.01); **B65H 9/20** (2013.01); **B65H 2403/921** (2013.01); **B65H 2511/20** (2013.01); **B65H 2511/24** (2013.01); **B65H 2511/51** (2013.01); **B65H 2511/514** (2013.01); **B65H 2511/524** (2013.01); **B65H 2515/10** (2013.01); **B65H 2515/70** (2013.01); **B65H 2515/82** (2013.01); **B65H 2553/24** (2013.01); **B65H 2553/30** (2013.01); **B65H 2555/14** (2013.01)

C-Set (source: EP)
1. **B65H 2511/514** + **B65H 2220/01**
2. **B65H 2515/10** + **B65H 2220/04**
3. **B65H 2511/20** + **B65H 2220/02**
4. **B65H 2511/24** + **B65H 2220/03**
5. **B65H 2511/524** + **B65H 2220/03**
6. **B65H 2515/82** + **B65H 2220/01**
7. **B65H 2511/20** + **B65H 2220/03**
8. **B65H 2511/51** + **B65H 2220/01**
9. **B65H 2515/70** + **B65H 2220/01**

Citation (search report)
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• [DPA] DE 10102227 A1 20010823 - HEIDELBERGER DRUCKMASCH AG [DE]
• [DA] DE 19612542 A1 19971002 - KBA PLANETA AG [DE]
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• [A] WEHRSDORFER E ET AL: "PIEZOELEKTRISCHER MIKROSTOSSANTRIEB", F & M FEINWERKTECHNIK MIKROTECHNIK MIKROELEKTRONIK, CARL HANSER GMBH & CO, DE, vol. 106, no. 4, 1 April 1998 (1998-04-01), pages 212 - 214,216-217, XP000780993, ISSN: 0944-1018

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

DOCDB simple family (publication)
WO 03000576 A1 20030103; AT E281997 T1 20041115; AT E281998 T1 20041115; AT E285375 T1 20050115; DE 10129744 A1 20030109; DE 50201520 D1 20041216; DE 50201521 D1 20041216; DE 50201844 D1 20050127; EP 1396451 A1 20040310; EP 1396451 B1 20041110; EP 1396452 A1 20040310; EP 1396452 B1 20041222; EP 1397302 A1 20040317; EP 1397302 B1 20041110

DOCDB simple family (application)
DE 0202050 W 20020606; AT 02742796 T 20020606; AT 03103926 T 20020606; AT 03103934 T 20020606; DE 10129744 A 20010620; DE 50201520 T 20020606; DE 50201521 T 20020606; DE 50201844 T 20020606; EP 02742796 A 20020606; EP 03103926 A 20020606; EP 03103934 A 20020606