

Title (en)

Device for sensing an edge of a stack of sheets in a sheet feeder

Title (de)

Vorrichtung zum Abtaten einer Stapelkante eines Bogenstapels in einem Bogenanleger

Title (fr)

Dispositif de détection d'un bord d'une pile de feuilles dans un margeur de feuilles

Publication

EP 0931740 A3 20000531 (DE)

Application

EP 99100789 A 19990118

Priority

DE 29801061 U 19980123

Abstract (en)

[origin: EP0931740A2] An approximately vertical stack (1) of flat sheets of paper stands on a lifting jack ready for removal from the top one sheet at a time by e.g. a suction device serving e.g. a print machine. The exact position of the stack side is ascertained by a sensor which consists of a touch-wheel (6) on an arm (7) linked to a switch (9) and held in position by a spring (14). As the stack is raised the sensor wheel defines the position of the stack edge to within a fine tolerance. The exact position of the stack can then be adjusted for precision pick-up of the top sheet of paper. The sensor is non-linear.

IPC 1-7

B65H 7/02; B65H 9/00; H01H 21/28

IPC 8 full level

B65H 7/02 (2006.01); **B65H 7/10** (2006.01); **B65H 9/00** (2006.01); **H01H 21/28** (2006.01)

CPC (source: EP)

B65H 7/10 (2013.01); **B65H 2511/17** (2013.01); **B65H 2511/20** (2013.01); **B65H 2511/212** (2013.01); **B65H 2511/512** (2013.01); **B65H 2553/61** (2013.01)

C-Set (source: EP)

1. **B65H 2511/17** + **B65H 2220/01** + **B65H 2220/11**
2. **B65H 2511/20** + **B65H 2220/02** + **B65H 2220/11**
3. **B65H 2511/512** + **B65H 2220/01**
4. **B65H 2511/212** + **B65H 2220/01** + **B65H 2220/11**
5. **B65H 2511/20** + **B65H 2220/02** + **B65H 2220/03**

Citation (search report)

- [AD] DE 2911735 A1 19801009 - SPIESS GMBH G
- [A] DE 2200755 A1 19730712 - MABEG MASCHB GMBH NACHF HENSE
- [A] US 5240244 A 19930831 - POLLICH GERHARD [DE], et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0931740 A2 19990728; **EP 0931740 A3 20000531**; **EP 0931740 B1 20020515**; AT E217598 T1 20020615; DE 29801061 U1 19980312; DE 59901425 D1 20020620

DOCDB simple family (application)

EP 99100789 A 19990118; AT 99100789 T 19990118; DE 29801061 U 19980123; DE 59901425 T 19990118