(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) EP 1 357 071 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
13.04.2005 Bulletin 2005/15

(51) Int Cl.[7]: **B65H 9/10**

(43) Date of publication A2:
29.10.2003 Bulletin 2003/44

(21) Application number: **03006800.1**

(22) Date of filing: **26.03.2003**

(84) Designated Contracting States:
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
Designated Extension States:
AL LT LV MK RO

(30) Priority: **27.03.2002 JP 2002088859**

(71) Applicant: **FUJI PHOTO FILM CO., LTD.**
Kanagawa 250-01 (JP)

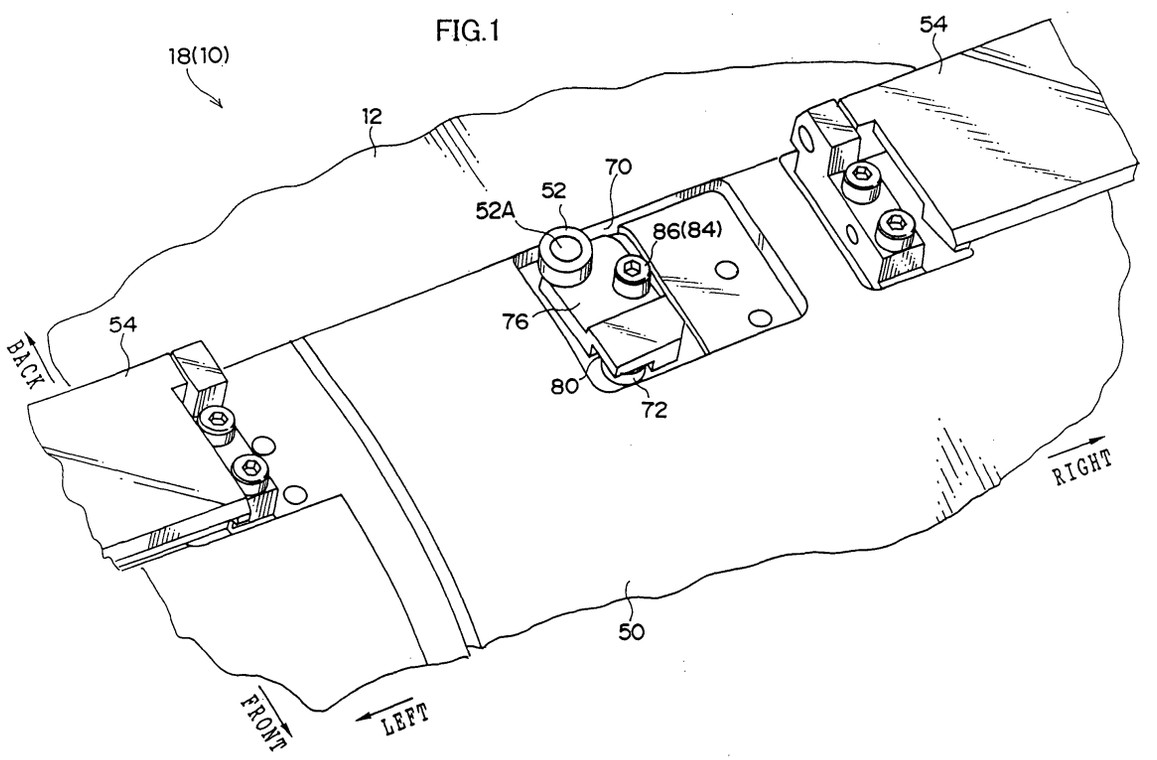
(72) Inventor: **Fukui, Takashi, Fuji Photo Film Co., Ltd.**
Ashigarakami-gun, Kanagawa (JP)

(74) Representative: **Klunker . Schmitt-Nilson . Hirsch**
Winzererstrasse 106
80797 München (DE)

(54) Sheet material positioning device

(57) A sheet material positioning device having: a swinging member (76) swingably provided at a placement member (50) onto which a sheet material is conveyed and placed; and an abutment member (52) provided at the swinging member (76) so as to be positioned on a conveying path of the sheet material, and positioning the sheet material by the sheet material abutting the abutment member (52). The sheet material positioning device further has an adjusting device (72) for adjusting a position of the abutment member (52) by swinging the swinging member (76).

FIG.1



EP 1 357 071 A3

European Patent Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 00 6800

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	US 2002/011164 A1 (TICE WILLIAM W ET AL) 31 January 2002 (2002-01-31) * paragraphs [0143], [0154]; figures 45,51a *	1,2,4,7, 8	B65H9/10
X	EP 0 635 367 A (MAN ROLAND DRUCKMASCHINEN AG) 25 January 1995 (1995-01-25) * column 1, line 13 - line 18 * * column 3, line 2 - line 10 * * column 4, line 36 - column 5, line 12; figures *	1-3,8-10	
X	EP 1 046 401 A (NIHON MEDI-PHYSICS CO., LTD) 25 October 2000 (2000-10-25) * column 2, line 53 - column 3, line 5; figures *	1-3,8	
X	EP 0 613 777 A (HEIDELBERGER DRUCKMASCHINEN AKTIENGESELLSCHAFT; HEIDELBERGER DRUCKMASC) 7 September 1994 (1994-09-07) * column 4, line 12 - line 43; figures 4,5 *	1,2,4	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
X	US 6 016 752 A (HARARI ET AL) 25 January 2000 (2000-01-25) * column 7, line 25 - line 43; figure 8 *	1,2,4,7, 8	B65H B41C B41F
X	US 5 339 731 A (HOWARD ET AL) 23 August 1994 (1994-08-23) * figure 9 *	1-3,9,10	
X	EP 1 090 753 A (WILFRIED JEURINK E. KFM) 11 April 2001 (2001-04-11) * paragraphs [0014], [0015], [0019] - [0023]; figures *	1-10	
A	EP 0 655 331 A (MAN ROLAND DRUCKMASCHINEN AG) 31 May 1995 (1995-05-31)		

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	18 February 2005	Lemmen, R

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
Y : particularly relevant if combined with another document of the same category
A : technological background
O : non-written disclosure
P : intermediate document

T : theory or principle underlying the invention
E : earlier patent document, but published on, or after the filing date
D : document cited in the application
L : document cited for other reasons

& : member of the same patent family, corresponding document

EPO FORM 1503 03.82 (P04C01)

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO. EP 03 00 6800

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

18-02-2005

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002011164 A1	31-01-2002	US 6321651 B1	27-11-2001
		US 6295929 B1	02-10-2001
		US 6412413 B1	02-07-2002
		US 6318262 B1	20-11-2001
		US 6371021 B1	16-04-2002
		US 2002014174 A1	07-02-2002
EP 0635367 A	25-01-1995	DE 9310987 U1	26-08-1993
		AT 149018 T	15-03-1997
		DE 59401823 D1	27-03-1997
		EP 0635367 A1	25-01-1995
EP 1046401 A	25-10-2000	JP 2000302795 A	31-10-2000
		CA 2306179 A1	20-10-2000
		EP 1046401 A2	25-10-2000
EP 0613777 A	07-09-1994	DE 4306237 A1	01-09-1994
		AT 164348 T	15-04-1998
		DE 59405498 D1	30-04-1998
		EP 0613777 A2	07-09-1994
		JP 3390079 B2	24-03-2003
		JP 6286100 A	11-10-1994
		US 5497703 A	12-03-1996
US 6016752 A	25-01-2000	IL 120138 A	24-07-2001
		DE 19803229 A1	06-08-1998
		GB 2321818 A ,B	05-08-1998
US 5339731 A	23-08-1994	DE 69225201 D1	28-05-1998
		DE 69225201 T2	13-08-1998
		EP 0545862 A1	09-06-1993
		JP 6206305 A	26-07-1994
EP 1090753 A	11-04-2001	DE 19948878 A1	12-04-2001
		EP 1090753 A2	11-04-2001
EP 0655331 A	31-05-1995	DE 4340052 A1	08-06-1995
		AT 147012 T	15-01-1997
		DE 59401467 D1	13-02-1997
		EP 0655331 A1	31-05-1995

EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82