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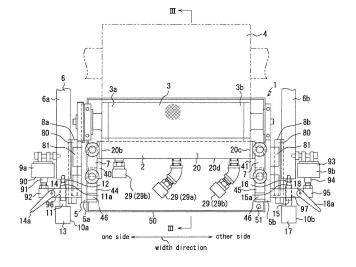
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(54) INK SUPPLY DEVICE OF A PRINTING MACHINE

(57) In an ink supply device of a printing machine, an abutting pressure of doctor blades is adjusted and maintained to be an appropriate value. A position adjusting and fixing mechanism 7 comprises a first part for position adjusting and fixing 7a-1, a second part for position adjusting and fixing 7a-2 which are attached to a frame, and parts to be position-adjusted and fixed provided on a housing 20. The first part for position adjusting and fixing 7a-1 and the second part for position adjusting and fixing 7a-2 are movable between fixing positions in abutment

with the parts to be position-adjusted and fixed and releasing positions of fixation separated from the parts to be position-adjusted and fixed respectively. The ink doctor chamber 2 is fixed so as not to move by fixing the first part for position adjusting and fixing 7a-1 and the second part for position adjusting and fixing 7a-2 at the fixing position, together with this, the abutting pressure of doctor blades 21 can be adjusted and maintained to be an appropriate value.

Fig. 1



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EUROPEAN SEARCH REPORT

DOCUMENTS CONSIDERED TO BE RELEVANT

Application Number

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15		
20		
25		

Category	Citation of document with indi of relevant passag		priate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Α	DE 42 13 670 A1 (KOE 28 October 1993 (199 * column 1, line 52 figures 3,4 *	3-10-28)		1-6	INV. B41F31/30 B41F31/02 B41F31/04 B41F9/10
Α	DE 10 2007 018133 A1 GMBH & CO KG [DE]) 23 October 2008 (200 * paragraph [0027] - figures 1,2 *	8-10-23)		1-6	B4119/10
Α	WO 01/25014 A1 (GALL [CH]; ARABIN DIETER 12 April 2001 (2001- * page 2, line 12 - figure 1 *	[DE]) 04-12)		1-6	
Α	DE 41 30 241 A1 (LAN 12 March 1992 (1992- * column 1, line 42	03-12)		1-6	
					TECHNICAL FIELDS SEARCHED (IPC)
					B41F
	The present search report has be	en drawn up for all c	laims	7	
	Place of search	•	etion of the search		Examiner
	Munich	4 Dece	mber 2018	Fo	x, Thomas
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category		r	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		
O : non	nological background -written disclosure		& : member of the	same patent fami	
P : inte	rmediate document		document		

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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.

04-12-2018

10	Patent document cited in search report	Publication date	Patent family member(s)	Publication date
15	DE 4213670 A1	28-10-1993	DE 4213670 A1 DE 9218053 U1 EP 0567908 A1 FI 931060 A JP H0615807 A JP H0710596 B2 US 5297489 A	28-10-1993 15-07-1993 03-11-1993 26-10-1993 25-01-1994 08-02-1995 29-03-1994
20	DE 102007018133 A1	23-10-2008	NONE	
25	WO 0125014 A1	12-04-2001	AT 286809 T AU 7502400 A DE 59911449 D1 EP 1090756 A1 WO 0125014 A1	15-01-2005 10-05-2001 17-02-2005 11-04-2001 12-04-2001
30	DE 4130241 A1	12-03-1992	DE 4130241 A1 FR 2666669 A1 GB 2248424 A US 5226363 A	12-03-1992 13-03-1992 08-04-1992 13-07-1993
35				
40				
45				
50				
55 FORM P0459				

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