



(43) International Publication Date
20 December 2012 (20.12.2012)

- (51) International Patent Classification:
D03D 47/30 (2006.01) *G05D 16/20* (2006.01)
- (21) International Application Number:
PCT/EP2012/060727
- (22) International Filing Date:
6 June 2012 (06.06.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
BE 2011/0355 15 June 2011 (15.06.2011) BE
BE 2011/0354 15 June 2011 (15.06.2011) BE
BE 2011/0356 15 June 2011 (15.06.2011) BE

CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

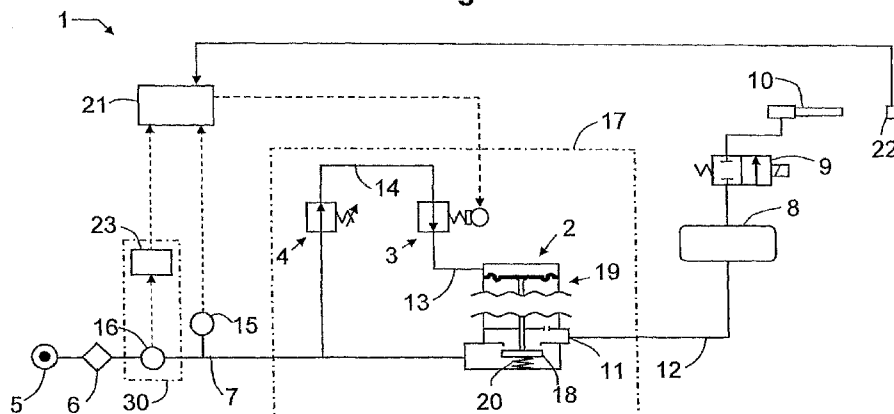
Published:
— with international search report (Art. 21(3))
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,

(88) Date of publication of the international search report:
20 February 2014

(54) Title: A PRESSURE REGULATOR DEVICE

Fig. 1



(57) Abstract: A pressure regulator device (17) for an airjet weaving machine comprising a pilot controlled first pressure regulator (2), wherein the pressure regulator device (17) comprises a second pressure regulator (3) for regulating the settable pilot pressure of the pilot controlled first pressure regulator (2). An air supply system with such a pressure regulator device (17) arranged between a compressed air source (5) and a buffer tank (8).

WO 2012/171842 A3

INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2012/060727

A. CLASSIFICATION OF SUBJECT MATTER
 INV. D03D47/30 G05D16/20
 ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 D03D G05D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
 EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	EP 0 112 145 A2 (TSUDAKOMA IND CO LTD [JP]) 27 June 1984 (1984-06-27) abstract page 3, line 20 - page 4, line 20 figures 1-4	1-4,6,7, 15,16 5,8-14
Y	US 4 653 523 A (BROWN GREGORY C [US]) 31 March 1987 (1987-03-31) the whole document	5,8-14
A	JP 7 100898 B (TOYODA AUTOMATIC LOOM WORKS) 1 November 1995 (1995-11-01) cited in the application abstract	1-16
A	JP 3 082848 A (TOYODA AUTOMATIC LOOM WORKS) 8 April 1991 (1991-04-08) abstract; figure 1	1-15

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Date of the actual completion of the international search 10 December 2013	Date of mailing of the international search report 20/12/2013
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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Louter, Petrus
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No PCT/EP2012/060727

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0112145	A2	27-06-1984	DE 3378483 D1 22-12-1988
			EP 0112145 A2 27-06-1984
			JP S5995179 U 28-06-1984
			JP S6319341 Y2 30-05-1988
			KR 880001723 Y1 06-05-1988
			US 4550753 A 05-11-1985

US 4653523	A	31-03-1987	CA 1262867 A1 14-11-1989
			EP 0240541 A1 14-10-1987
			JP H0619675 B2 16-03-1994
			JP S63502223 A 25-08-1988
			US 4653523 A 31-03-1987
			WO 8702152 A1 09-04-1987

JP 7100898	B	01-11-1995	-----
JP 3082848	A	08-04-1991	-----