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(54) **Weaving loom for production of combined structures of the ground and gauze weave**

(57) The weaving loom for production of combined structures of the ground and gauze weave comprising the device for control of at least a triad of systems of warp ends and the loom reed (11) with lamellas, between which there are spaces for passage of warp ends. The warp ends are separated into at least three systems (2, 3, 4), out of which at least two are guided into basic distributing means (15) realising the motion necessary to perform the shed for weft insertion and for mutual interlacing of warp ends while at least one is through the deflecting bar (18) guided into the guiding means (13) of rotating warp ends.

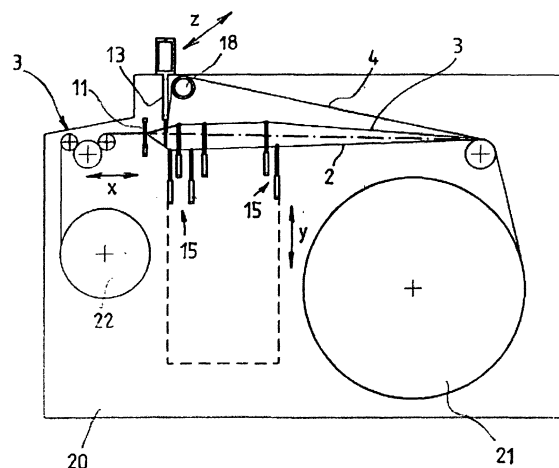


Fig. 3



EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 4 429 722 A (HERZOG EARL E [US]) 7 February 1984 (1984-02-07) * columns 2-11; figures 1-13 *	1-5	INV. D03C7/06 D03D19/00
X	WO 2006/007805 A (DORNIER GMBH LINDAUER [DE]; WAHHOUD ADNAN [DE]) 26 January 2006 (2006-01-26) * pages 1-6; figure 1 *	1,3,4	
X	US 2005/173013 A1 (WAHHOUD ADNAN [DE] ET AL) 11 August 2005 (2005-08-11) * paragraphs [0001] - [0071]; figures 1-15 *	1-5	
X	US 2006/144458 A1 (WAHHOUD ADNAN [DE] ET AL) 6 July 2006 (2006-07-06) * paragraphs [0001] - [0091]; claim 1; figures 1-14 *	1-4	
X	DE 103 07 489 B3 (DORNIER GMBH LINDAUER [DE]) 11 November 2004 (2004-11-11) * paragraphs [0001] - [0086]; figures 1-10 *	1-4	TECHNICAL FIELDS SEARCHED (IPC)
X	DE 616 709 C (EUGEN KENTNER A G) 3 August 1935 (1935-08-03) * pages 1-2; figures 1,2 *	1	D03C D03D
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 10 February 2010	Examiner Iamandi, Daniela
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			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 08 46 6024

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The members are as contained in the European Patent Office EDP file on
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10-02-2010

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 4429722	A	07-02-1984	NONE	

WO 2006007805	A	26-01-2006	AT 437983 T	15-08-2009
			BR PI0513341 A	06-05-2008
			CN 1997783 A	11-07-2007
			DE 102004034605 A1	16-02-2006
			EP 1778906 A1	02-05-2007
			JP 2008506854 T	06-03-2008
			RU 2339750 C1	27-11-2008
			US 2007295423 A1	27-12-2007

US 2005173013	A1	11-08-2005	AT 378446 T	15-11-2007
			CN 1516760 A	28-07-2004
			CZ 20040052 A3	12-05-2004
			WO 02101131 A2	19-12-2002
			DE 10128538 A1	09-01-2003
			EP 1395692 A2	10-03-2004
			JP 4015111 B2	28-11-2007
			JP 2004521196 T	15-07-2004

US 2006144458	A1	06-07-2006	BR PI0407435 A	24-01-2006
			DE 10334359 B3	03-02-2005
			WO 2004076729 A1	10-09-2004
			EP 1595010 A1	16-11-2005
			JP 4376896 B2	02-12-2009
			JP 2006518421 T	10-08-2006
			RU 2301853 C2	27-06-2007

DE 10307489	B3	11-11-2004	CN 1751146 A	22-03-2006

DE 616709	C	03-08-1935	NONE	

EPO FORM P0459

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