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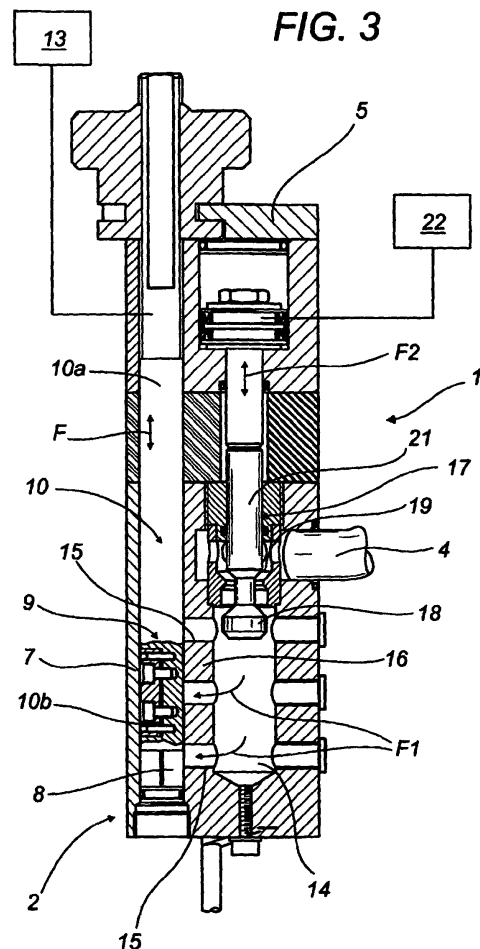
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(54) **A glue distribution unit in particular for machines which process wooden panels**

(57) A glue distribution unit (1), in particular for machines which process wooden panels comprises means (2) which distribute glue on the edges of panels or on bands to be applied to the edges of panels. The distribution means (2) are located close to a working zone. There are also means (3) which feed glue to the glue distribution means (2) through a pressurised pipe (4). The glue distribution means (2) comprise: a main body (5) with a surface (6) which makes contact with and distributes glue on the edge or band; the surface (6) having a longitudinal slot (7) through which the glue passes from a first chamber (8), inside the main body (5), to the outside of the main body (5); means (9) for adjusting the glue passage opening which operate on the slot (7) to vary the size of the slot (7) according to the thickness of the edge of the panel or the band.





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EUROPEAN SEARCH REPORT

Application Number  
EP 02 42 5299

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	DE 299 21 828 U (SM KLEBETECHNIK VERTRIEBS GMBH) 27 July 2000 (2000-07-27) * page 5, line 8 - page 6, line 17; figure 1 *	1,4,5	B27G11/00 B27D5/00 B05C5/02
Y	-----	6	
Y	US 4 535 719 A (REGAN DECEASED DONALD J) 20 August 1985 (1985-08-20) * column 2, line 46 - line 57; figure 3 *	6	
X	DE 17 28 470 A (REICH MASCHF GMBH KARL) 8 February 1973 (1973-02-08) * the whole document *	1-3	
X	EP 0 453 936 A (REICH SPEZIALMASCHINEN GMBH) 30 October 1991 (1991-10-30) * the whole document *	1-3	
X	US 5 490 879 A (CORRADI GABRIEL ET AL) 13 February 1996 (1996-02-13) * figure 9 *	1,4	
X	WO 00/02667 A (HAUBROK GERHARD ; WAGNER UWE (DE); REINHARD DUESPOHL MASCHINENBAU (DE)) 20 January 2000 (2000-01-20) * the whole document *	1,4	TECHNICAL FIELDS SEARCHED (Int.Cl.7) B05C B27G B27D
X	US 5 305 955 A (SMITHERMAN JOHN P ET AL) 26 April 1994 (1994-04-26) * figure 2 *	1,4	
E	EP 1 205 257 A (NORDSON CORP) 15 May 2002 (2002-05-15) * paragraph '0021!'; figure 1 *	1-3	
	-/--		
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		24 June 2004	Huggins, J
CATEGORY OF CITED DOCUMENTS		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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EUROPEAN SEARCH REPORT

Application Number  
EP 02 42 5299

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)
A	US 4 744 330 A (CLAASSEN HENNING J) 17 May 1988 (1988-05-17) * column 3, line 14 - line 37 * * column 4, line 3 - line 8 * * column 4, line 34 - line 50; figure * -----	6	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
The Hague	24 June 2004	Huggins, J	
CATEGORY OF CITED DOCUMENTS		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	
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			

EPO FORM 1503 03 a2 (P04C01)

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

EP 02 42 5299

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  
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24-06-2004

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
DE 29921828	U	27-07-2000	DE 29921828 U1	27-07-2000
US 4535719	A	20-08-1985	NONE	
DE 1728470	A	08-02-1973	DE 1728470 A1	08-02-1973
EP 0453936	A	30-10-1991	DE 4012726 A1 AT 99566 T DE 59100795 D1 EP 0453936 A2 ES 2050474 T3	24-10-1991 15-01-1994 17-02-1994 30-10-1991 16-05-1994
US 5490879	A	13-02-1996	FR 2692819 A1 JP 7275763 A DE 69312177 D1 EP 0577539 A1	31-12-1993 24-10-1995 21-08-1997 05-01-1994
WO 0002667	A	20-01-2000	DE 19830728 A1 AU 4900899 A CA 2305662 A1 WO 0002667 A1 EP 1027167 A1 JP 2002520139 T US 6565660 B1	13-01-2000 01-02-2000 20-01-2000 20-01-2000 16-08-2000 09-07-2002 20-05-2003
US 5305955	A	26-04-1994	NONE	
EP 1205257	A	15-05-2002	DE 10051201 A1 EP 1205257 A2 JP 2002153798 A US 2002152957 A1	25-04-2002 15-05-2002 28-05-2002 24-10-2002
US 4744330	A	17-05-1988	DE 3542903 A1 AT 41327 T EP 0224916 A1 GR 3000040 T3 JP 1874502 C JP 5086269 B JP 62144777 A	11-06-1987 15-04-1989 10-06-1987 31-01-1990 26-09-1994 10-12-1993 27-06-1987

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