



EUROPEAN SEARCH REPORT

Application Number
EP 13 15 0070

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	EP 0 600 297 A2 (BARUDAN CO LTD [JP]) 8 June 1994 (1994-06-08)	1,2,8	INV. B65H51/22	
Y	* column 9, lines 31-35; figure 13 *	9-11		
X	US 4 744 394 A (LINCKE PAUL [CH]) 17 May 1988 (1988-05-17)	1,2,4,5		
X	US 4 669 677 A (ROSER ERICH [DE] ET AL) 2 June 1987 (1987-06-02)	1		
Y	* column 2, lines 40-44; claim 30 *	9-11		
X	DE 12 88 229 B (FOUQUET WERK FRAUZ & PLANCK) 30 January 1969 (1969-01-30)	1		
Y	* column 7, lines 38-40 *	9-11		
X	FR 2 190 589 A2 (UGINE KUHLMANN [FR]) 1 February 1974 (1974-02-01)	1-3		
X	EP 2 039 641 A2 (HERAEUS GMBH W C [DE]) 25 March 2009 (2009-03-25)	1,2,4-6		TECHNICAL FIELDS SEARCHED (IPC)
X	DE 19 22 430 U (PLASTIK FABRIK ELBENIA HEINE & [DE]) 26 August 1965 (1965-08-26)	1,2,4-6		B65H D03D D04B
X	FR 734 866 A (LABRUT FRERES SARL) 29 October 1932 (1932-10-29)	1,7		
Y,D	WO 2011/040545 A1 (MURATA MACHINERY LTD [JP]; IMAMURA YUJI [JP]; HIRAO OSAMU [JP]) 7 April 2011 (2011-04-07)	9-11		
The present search report has been drawn up for all claims				
Place of search The Hague		Date of completion of the search 27 February 2014	Examiner Pussemier, Bart	
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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EPC FORM 1503, 03.02 (F04C01)

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

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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
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27-02-2014

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0600297	A2	08-06-1994	CN 1091167 A	24-08-1994
			DE 69328153 D1	27-04-2000
			DE 69328153 T2	14-12-2000
			EP 0600297 A2	08-06-1994
			JP H06154453 A	03-06-1994

US 4744394	A	17-05-1988	CH 670263 A5	31-05-1989
			DE 3763751 D1	23-08-1990
			EP 0247967 A1	02-12-1987
			JP S62282042 A	07-12-1987
			US 4744394 A	17-05-1988

US 4669677	A	02-06-1987	CN 85108497 A	20-08-1986
			CZ 8507243 A3	16-03-1994
			DD 239619 A5	01-10-1986
			DE 3437252 C1	16-01-1986
			EP 0177797 A1	16-04-1986
			ES 8700208 A1	01-01-1987
			HK 791 A	11-01-1991
			JP H0157023 B2	04-12-1989
			JP S61106378 A	24-05-1986
			SG 28089 G	11-08-1989
			SU 1672928 A3	23-08-1991
			US 4669677 A	02-06-1987

DE 1288229	B	30-01-1969	DE 1288229 B	27-02-2014
			DE 1785593 A1	11-01-1973

FR 2190589	A2	01-02-1974	NONE	

EP 2039641	A2	25-03-2009	AT 502888 T	15-04-2011
			CN 101428718 A	13-05-2009
			EP 2039641 A2	25-03-2009
			JP 2009081437 A	16-04-2009
			SG 151212 A1	30-04-2009
			TW 200938473 A	16-09-2009
			US 2009072063 A1	19-03-2009

DE 1922430	U	26-08-1965	NONE	

FR 734866	A	29-10-1932	NONE	

WO 2011040545	A1	07-04-2011	CN 102574656 A	11-07-2012
			EP 2484620 A1	08-08-2012
			JP 5287992 B2	11-09-2013
			WO 2011040545 A1	07-04-2011

EPO FORM P0459

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