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(71) Applicant: Riri S.A. 6850 Mendrisio (CH) (72) Inventor: Bernasconi, Sergio 6834 Morbio Inferiore (CH)

(74) Representative:

Fiammenghi-Domenighetti, Delfina et al Fiammenghi-Fiammenghi, Via San Gottardo 15 6900 Lugano (CH)

(54)Fluid-tight fasteners

(57)In a fastener (1) for joining together in a fluidtight manner two hems (3, 4) of fabric or other impermeable material, comprising two rows of teeth (2) engaging with each other as a result of the action of a slide and applied respectively onto each of the said two hems, the said fluid-tight seal being obtained by compressing two elastic members each integral with one of the aforementioned hems, each of the said teeth (2) consists of several parts (2a, 2b) which are connected together and arranged on opposite sides of the said fabric or impermeable material, and the said elastic members consist of cords (5) of elastic material which are arranged in an intermediate position between the said two parts (2a, 2b) of the said teeth (2) of each row, the abovementioned cords (5) being dimensioned and arranged so as to be coplanar and so as to be compressed and rest frontally against one another with a predetermined force when the abovementioned teeth (2) are connected together by the said slide.

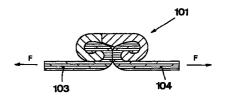


FIG. 1



EUROPEAN SEARCH REPORT

Application Number EP 98 81 0534

Category	Citation of document with indication, where appropriate, Rele			t CLASSIFICATION OF THE
Jalegory	of relevant pass	to claim	APPLICATION (Int.Cl.6)	
X	* column 2. line 16	2 - column 2, line 10 * 5 - line 34 * 5 - column 3, line 15 * 7 - line 28 * 7 - line 72 * 7 - line 38 *		A44B19/32
X	EP 0 108 214 A (YOS 16 May 1984 * page 6, line 10 - * page 11, line 18 * figures 1,2,7,8 *	page 10, line 13 * - page 13, line 22 *	1-8	
A	US 4 308 644 A (BRO 5 January 1982 * figures 1-9 *	WN ALEXANDER M)	1	•
Α	GB 2 047 334 A (YOS 26 November 1980 * figures 1-7 *	HIDA KOGYO KK)	1	TECHNICAL FIELDS SEARCHED (Int.CI.6)
A	EP 0 522 366 A (YOS 13 January 1993 * claims 1-3 * * figures 1-6 *	HIDA KOGYO K.K.)	9	
Α	US 3 798 714 A (GIL 26 March 1974 * figure 2 *	BERT A. MUELLER)	9	
	The present search report has	been drawn up for all claims		
	Place of search	Date of completion of the search		Examiner
	THE HAGUE	16 February 199	9 Fa	irbanks, S
X : parti Y : parti docu A : techi	ATEGORY OF CITED DOCUMENTS cularly relevant if taken alone cularly relevant if combined with anot ment of the same category nological background written disclosure	L : document cited	iple underlying the document, but put date d in the application of for other reason	ne invention blished on, or on

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

EP 98 81 0534

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.

16-02-1999

Patent document cited in search report			Publication date	Patent family member(s)	Publication date
US	2910754	Α	03-11-1959	NONE	
EP	0108214	А	16-05-1984	AU 541561 B AU 1865183 A BR 8305033 A CA 1216142 A GB 2128673 A, HK 83188 A US 4765038 A	10-01-198 22-03-198 24-04-198 06-01-198 02-05-198 21-10-198 23-08-198
US	4308644	Α	05-01-1982	NONE	
GB	2047334	Α	26-11-1980	CA 1158027 A DE 3014039 A FR 2454771 A HK 57087 A US 4312102 A	06-12-198 06-11-198 21-11-198 14-08-198 26-01-198
EP	522366	Α	13-01-1993	NONE	
US	3798714	Α	26-03-1974	CA 977128 A FR 2185031 A GB 1397516 A LU 67619 A	04-11-197 28-12-197 11-06-197 23-11-197

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