



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
24.04.2002 Bulletin 2002/17

(51) Int Cl.7: **B65D 90/04, F16B 5/06**

(43) Date of publication A2:
21.06.2000 Bulletin 2000/25

(21) Application number: **99301620.3**

(22) Date of filing: **03.03.1999**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**
Designated Extension States:
AL LT LV MK RO SI

(72) Inventor: **Suzuki, Michiharu**
Koto-ku, Tokyo (JP)

(74) Representative: **Price, Paul Anthony King et al**
D. Young & Co.,
21 New Fetter Lane
London EC4A 1DA (GB)

(30) Priority: **17.12.1998 JP 35951598**

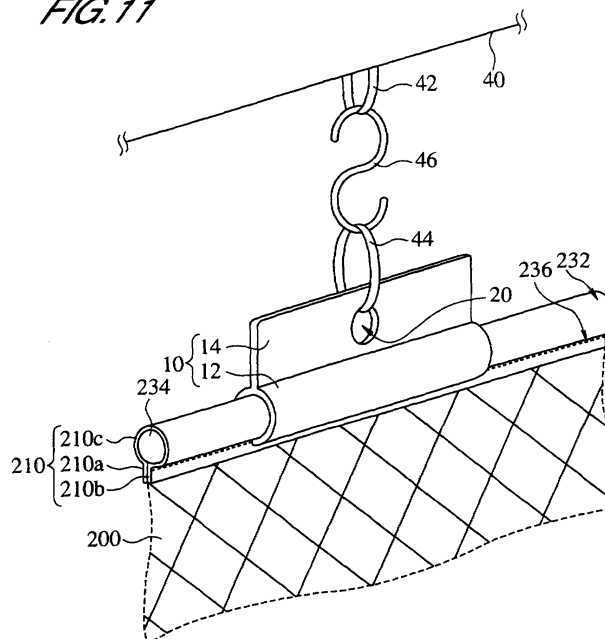
(71) Applicant: **Ogawa Tent Co., Ltd.**
Tokyo (JP)

(54) **Suspension element and suspended member**

(57) The operation of mounting and removing an inner sheet or safety net on the inside wall of a container is made simpler, labor is alleviated and working time is shortened. A suspension element (10) has a retaining body (12) that holds an inner sheet (30) or a net (200) and a coupling part (14) that is coupled with container inside wall (40) and is provided integrally with the retaining body. The retaining body is of tubular shape having

a gap (18) provided in linear fashion along tube axis (16). The inner sheet or a net is provided with linear projections (32, 232). The shape and size of the transverse cross-section of the projections are substantially uniform in the direction of extension of such projections. The projections fit within the tube of the tubular body in a condition in which the suspension element can slide along the projection in question.

FIG. 11





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	EP 0 597 094 A (SCS PROMOTION CO LTD) 18 May 1994 (1994-05-18) * column 8, line 4 - column 12, line 57; claims; figures * ---	1-3,5-7, 9-12, 16-18, 22-24, 27,30,31	B65D90/04 F16B5/06
X	CH 404 883 A (ARTHUR FLURY AG SPEZIALFABRIK ;SCHWEIZERISCHE LEINEN IND AG (CH)) 31 December 1965 (1965-12-31) * the whole document * ---	1-3,5-7, 9,11,12, 17, 22-24, 27,31	
X	FR 1 456 013 A (SARL LES FILS D AUGUSTE CHOMAR) 20 May 1966 (1966-05-20) * claims; figures * ---	1-3, 5-13,15, 19,20, 23-27,31	
A	US 4 097 169 A (KELLY CLIFFORD G) 27 June 1978 (1978-06-27) * abstract; claims; figures * ---	1-7, 9-13,23, 24,31	TECHNICAL FIELDS SEARCHED (Int.Cl.7) B65D F16B A01G B60J
A	DE 44 27 623 A (DESSAU WAGGONBAU GMBH) 8 February 1996 (1996-02-08) * abstract; figures * ---	1,12,13, 15,20, 23,25	
A	US 5 028 197 A (KREIN REUBEN J ET AL) 2 July 1991 (1991-07-02) * abstract; claims; figures * -----	1,8,14	
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 1 March 2002	Examiner Van Rollegem, F
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	

EPO FORM 1503 03/82 (P04/C01)

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

EP 99 30 1620

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.

01-03-2002

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 0597094	A	18-05-1994	JP	2104926 C	06-11-1996
			JP	4238968 A	26-08-1992
			JP	7003120 B	18-01-1995
			JP	1994118 C	22-11-1995
			JP	4339965 A	26-11-1992
			JP	7021253 B	08-03-1995
			JP	1929956 C	12-05-1995
			JP	4361291 A	14-12-1992
			JP	6064415 B	22-08-1994
			JP	2104952 C	06-11-1996
			JP	5059819 A	09-03-1993
			JP	7003119 B	18-01-1995
			CA	2075062 A1	11-07-1992
			DE	69126147 D1	19-06-1997
			DE	69126147 T2	18-12-1997
			EP	0597094 A1	18-05-1994
			WO	9212309 A1	23-07-1992
			KR	9705008 B1	11-04-1997
			US	5408770 A	25-04-1995
			AU	650966 B2	07-07-1994
AU	1514292 A	26-11-1992			
CH 404883	A	31-12-1965	NONE		
FR 1456013	A	20-05-1966	NONE		
US 4097169	A	27-06-1978	CA	1056133 A1	12-06-1979
DE 4427623	A	08-02-1996	DE	4427623 A1	08-02-1996
US 5028197	A	02-07-1991	US	4516906 A	14-05-1985
			EP	0415719 A1	06-03-1991
			US	4863339 A	05-09-1989
			US	5059084 A	22-10-1991
			US	5244332 A	14-09-1993
US	4671733 A	09-06-1987			

EPO FORM P0459

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