

## Europäisches Patentamt European Patent Office Office européen des brevets



(11) **EP 0 731 034 A3** 

(12)

## **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3: 18.09.1996 Bulletin 1996/38

(51) Int Cl.6: **B65D 33/25**, A44B 19/02

(43) Date of publication A2: 11.09.1996 Bulletin 1996/37

(21) Application number: 96106556.2

(22) Date of filing: 08.11.1993

(84) Designated Contracting States: **DE ES FR GB IT** 

(30) Priority: **09.11.1992 JP 298624/92 09.11.1992 JP 298625/92** 

(62) Application number of earlier application in accordance with Art. 76 EPC: 93308892.4

(71) Applicant: IDEMITSU PETROCHEMICAL CO. LTD. Tokyo 100 (JP)

(72) Inventors:

• Takubo, Toyokazu Shirahama-cho, Himeji-shi, Hyogo-ken (JP)

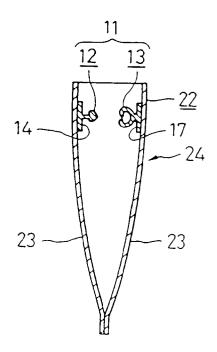
• Tanaka, Ken-ichi Shirahama-cho, Himeji-shi, Hyogo-ken (JP)

 (74) Representative: Jackson, Peter Arthur GILL JENNINGS & EVERY Broadgate House
 7 Eldon Street London EC2M 7LH (GB)

## (54) Snap zipper and bag with the same

(57) A snap zipper (11), in which at least a portion to be fused is mainly composed of polybutylene terephthalate (PBT) resin or polyester type elastomer, having a bending modulus of elasticity of 10,000 kg/cm<sup>2</sup> or below.

F I G. 4



EP 0 731 034 A3



## **EUROPEAN SEARCH REPORT**

Application Number EP 96 10 6556

		DERED TO BE RELEVANT		
Category	Citation of document with in of relevant pas		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
A	EP-A-0 339 324 (IDEN * page 2, line 18 - * page 3, line 54 - figures 1A,1B,2,3 *	MITSU PETROCHEMICAL) line 32 * page 4, line 22;	1,2	B65D33/25 A44B19/02
Ą	* page 2, line 52 -	MITSU PETROCHEMICAL) line 54 * line 9; figures 2,3 *	1,2	
4	EP-A-0 398 731 (REYI PRODUCTS) * column 3, line 46	NOLDS CONSUMER - line 57; figures 1,3	1,2	
4	EP-A-0 480 605 (ILL * column 8, line 24 1,5,6 *	INOIS TOOL WORKS) - line 28; figures	1,2	
Α	31 July 1991, * abstract *	M-1172), 23 October  DEMITSU PETROCHEM CO),	1,2	TECHNICAL FIELDS SEARCHED (Int.Cl.6) B65D A44B
	The present search report has b	Date of completion of the search	L	Examiner
		Sn		
X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category  E: earlier patent D: document cite			l in the application	

FPO FORM