(11) **EP 0 919 307 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: **30.01.2002 Bulletin 2002/05**

(51) Int CI.7: **B21D 28/06**, B21D 35/00

- (43) Date of publication A2: 02.06.1999 Bulletin 1999/22
- (21) Application number: 98203839.0
- (22) Date of filing: 13.11.1998
- (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:
 - Designated Extension States:

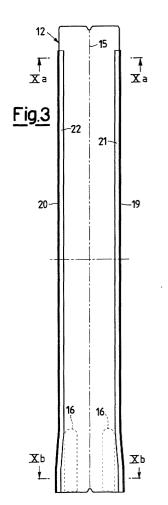
AL LT LV MK RO SI

(30) Priority: 27.11.1997 IT MI972630

- (71) Applicant: **Donatiello, Gaetano 20035 Lissone (Milano) (IT)**
- (72) Inventor: Donatiello, Gaetano 20035 Lissone (Milano) (IT)
- (74) Representative: Martegani, Franco Franco Martegani S.r.I. Via Carlo Alberto, 41 20052 Monza (Milano) (IT)

(54) Process for the blanking of metallic drawer guides

(57)A process for the blanking of metallic drawer guides, in particular metallic guides for so-called "selfclosing" drawers, by a transfer machine, comprising at least one shearing phase from a strip (10) to shape the contours of a preform (12), a phase of separating said preform (12) from said strip (10) to shape a single flat preform (12) in an elongated rectangular form, suitable for producing a whole (13, 14) with two opposed right and left-side guides of a drawer, with additional molding and shaping phases of said flat preform in two parts in the shape of a "Z" facing each other in a specular manner while being centrally joined, and a separating phase by blanking the said two parts so as to shape two guides having an essentially Z-formed cross section (30,40) with an inclined ramp (31,41) in a terminal area (12a).





EUROPEAN SEARCH REPORT

Application Number EP 98 20 3839

	DOCUMENTS CONSID	ERED TO BE RELEVANT					
Category	Citation of document with ir of relevant pass	dication, where appropriate, ages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)			
A	EP 0 520 539 A (F 4 30 December 1992 (1 * the whole documen	992-12-30)	1	B21D28/06 B21D35/00			
A	EP 0 770 436 A (GI 2 May 1997 (1997-05 * the whole documen	-02)	1				
ļ							
				TECHNICAL FIELDS			
				B21D A47B			
				ATTO			
Таууданнын д асын	The present search report has	peen drawn up for all claims					
	Place of search	Date of completion of the search	<u> </u>	Examiner			
	THE HAGUE	10 December 200)1 Pee	eters, L			
X : parl Y : parl doc	ATEGORY OF CITED DOCUMENTS ticularly relevant if taken alone ticularly relevant if combined with anot urnent of the same category nological background	E : earlier patent after the filing her D : document cite L : document cite	ed in the application od for other reasons	lished on, or			
O: nor	n-written disclosure rmediate document		 a : member of the same patent family, corresponding document 				

EPO FORM 1503 03.82 (P04C01)

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

EP 98 20 3839

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.

10-12-2001

	Patent docume cited in search re		Publication date		Patent family member(s)	Publication date
EP	0520539	A	30-12-1992	IT AT DE DE DK EP ES	1248585 B 126982 T 69204379 D1 69204379 T2 520539 T3 0520539 A1 2076003 T3	19-01-1995 15-09-1995 05-10-1995 18-04-1996 18-09-1995 30-12-1992 16-10-1995
EP	0770436	A	02-05-1997	IT EP	MI952217 A1 0770436 A1	28-04-1997 02-05-1997
	- Agia cam cure gan cure (ar- care cure ^{- 22}) cure	agent was gave done when come or	agas anto 1000, agas anti 1000, agas anti 1000, agas Anto 1000 dele 4	w ₁₉₉₂ , 1992 III 2		

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