



Europäisches Patentamt
European Patent Office
Office européen des brevets



(11) **EP 1 394 295 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
17.03.2004 Bulletin 2004/12

(51) Int Cl.7: **D01G 1/04**

(43) Date of publication A2:
03.03.2004 Bulletin 2004/10

(21) Application number: **03078077.9**

(22) Date of filing: **22.11.1999**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE**

(71) Applicant: **Van Der Mast, Willem Frans
9761 LJ Eelde (NL)**

(30) Priority: **27.11.1998 NL 1010665
10.06.1999 NL 1012286**

(72) Inventor: **Van Der Mast, Willem Frans
9761 LJ Eelde (NL)**

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
99973082.3 / 1 144 738

(74) Representative: **Vernout, Robert et al
Arnold & Siedsma,
Sweelinckplein 1
2517 GK Den Haag (NL)**

(54) **Device and pressure rib for cutting fibres into pieces**

(57) A device for cutting fibres into pieces, wherein a fibre (10) is divided into pieces (11) by pressing a knife (7) against the fibre (10), said device including a knife roller (2) comprising several substantially axially oriented knives (7) and pressure ribs (8) which are present between the knives (7), and a pressure roller (3), which

rollers (2, 3) can be driven in opposite directions at the same peripheral velocity, wherein the knife roller (2) is provided with substantially axially extending mounting sections (19), and in that the pressure ribs (8) are provided on the radially inward side with a recess corresponding to the mounting section (19), which engages round said mounting section (19).

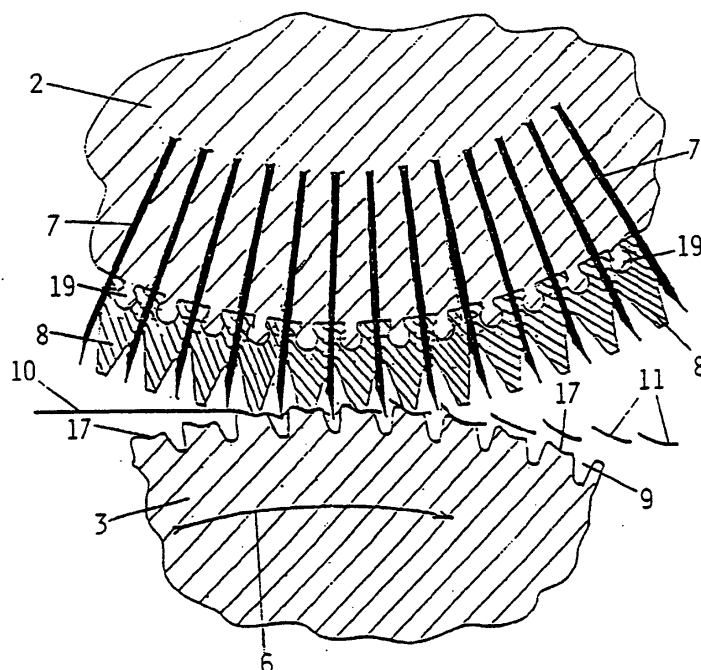


Fig 6

EP 1 394 295 A3



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 03 07 8077

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)
A	US 3 353 431 A (JOHN MYLO) 21 November 1967 (1967-11-21) * column 2, line 21 - line 32; claim 1; figure 2 *	1,2,5,10	D01G1/04
A	US 4 083 279 A (WESTER THOMAS JOSEPH ET AL) 11 April 1978 (1978-04-11) * claim 1; figure 3 *	1,2,5,10	
A	EP 0 411 572 A (NITTO BOSEKI CO LTD) 6 February 1991 (1991-02-06) * claim 1; figure 1 *	1,10	
A	US 4 063 479 A (RONCATO GIORDANO) 20 December 1977 (1977-12-20) * claims 1,2; figure 1 *	1,10	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7) D01G C03B B26D
Place of search THE HAGUE		Date of completion of the search 27 January 2004	Examiner D'Souza, J
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 B2 (P04C01)

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

EP 03 07 8077

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.

27-01-2004

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3353431	A	21-11-1967	NONE	
US 4083279	A	11-04-1978	BE 854433 A1	09-11-1977
			CA 1098883 A1	07-04-1981
			DE 2720880 A1	24-11-1977
			FR 2350932 A1	09-12-1977
			IT 1079011 B	08-05-1985
			JP 1355097 C	24-12-1986
			JP 52152521 A	19-12-1977
			JP 61011897 B	05-04-1986
EP 0411572	A	06-02-1991	JP 1955558 C	28-07-1995
			JP 3066593 A	22-03-1991
			JP 6088235 B	09-11-1994
			EP 0411572 A1	06-02-1991
			US 5092207 A	03-03-1992
US 4063479	A	20-12-1977	FR 2322836 A1	01-04-1977
			AU 2010976 A	08-06-1978
			BE 845863 A1	03-03-1977
			BR 7605857 A	16-08-1977
			CA 1057188 A1	26-06-1979
			DE 2639785 A1	17-03-1977
			DK 399576 A ,B,	05-03-1977
			ES 451246 A1	01-10-1977
			FI 762539 A ,B,	05-03-1977
			GB 1539738 A	31-01-1979
			IE 43661 B1	22-04-1981
			IT 1063570 B	11-02-1985
			JP 52033185 A	14-03-1977
			LU 75721 A1	13-05-1977
			NL 7609820 A ,B,	08-03-1977
			NO 763045 A ,B,	07-03-1977
			SE 420912 B	09-11-1981
			SE 7609487 A	05-03-1977

EPO FORM P0459

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