Europäisches Patentamt European Patent Office Office européen des brevets

(11) **EP 1 502 718 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: 13.04.2005 Bulletin 2005/15

(51) Int Cl.⁷: **B27B 17/02**, B27B 17/00

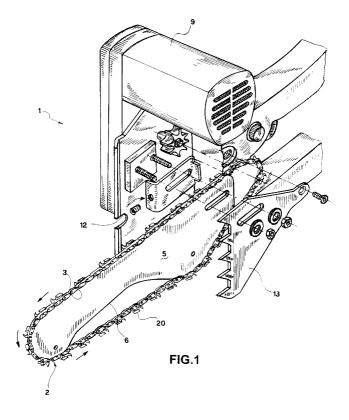
- (43) Date of publication A2: **02.02.2005 Bulletin 2005/05**
- (21) Application number: 04102989.3
- (22) Date of filing: 28.06.2004
- (84) Designated Contracting States: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR Designated Extension States: AL HR LT LV MK
- (30) Priority: 30.07.2003 IT RM20030374
- (71) Applicant: Cecchi, Remo Francesco 71100 Foggia (IT)

- (72) Inventor: Cecchi, Remo Francesco 71100 Foggia (IT)
- (74) Representative: Papa, Elisabetta et al Società Italiana Brevetti S.p.A Piazza di Pietra, 39 00186 Roma (IT)

(54) Device for cutting branches and the like

(57) A device (1) for cutting branches and the like, comprising an annular cutting chain (2), a shaped slideway (3) cooperating with the chain (2) and a motor (9) for sliding the chain (2) along the slideway (3) so as to give it a cutting motion, wherein, in operation, a effective

portion (20) of the chain (2) is into contact with the piece to be cut in order to perform the cutting, and wherein the slideway (3) has, at the effective portion (20) of the chain, a recess (6), the overall arrangement being such that at said recess (6) the slideway (3) is not into contact with the effective portion (20) of the chain (2) (Figure 1).





EUROPEAN SEARCH REPORT

Application Number EP 04 10 2989

Category	Citation of document with it of relevant pass	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)	
X	US 4 654 972 A (SEL 7-April-1987 (1987- * column 3, lines 3	1-12,14	B27B17/02 . B27B17/00	
Υ	* figure 2 *	13,15-1	8	
X	US 4 513 799 A (HED 30 April 1985 (1985 * column 2, lines 4 * column 3, lines 7 * figure 2 *	1-12,14		
A	- riguic 2 ·		13	
Y	US 5 685 080 A (AMA 11 November 1997 (1 * column 1, lines 1 * column 2, lines 1 * figure 3 *	997-11-11) -3 *	13	
A	T I I Guile 3 T		22	
Υ	EP 0 062 188 A (A/S 13 October 1982 (19 * page 5, lines 4-1	82-10-13)	15–17	TECHNICAL FIELDS SEARCHED (Int.CI.7)
	* figures 3-5 *			A016
Y	US 2 572 405 A (STO 23 October 1951 (19 * column 2, lines 3 * column 3, lines 2 * figures 1,2 *	18		
A	r rigures 1,2 r	19		
A	US 1 825 164 A (CLA 29 September 1931 (* the whole documen	1931-09-29) it *	1	
		-/		
	The present search report has			
	Place of search The Hague	Date of completion of the search 15 February 20	1	Examiner ariot, D
X : part Y : part docu	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with anolument of the same category inological background	T: theory or pri E: earlier pater after the filin D: document ci L: document ci	nciple underlying the	invention lished on, or

2



EUROPEAN SEARCH REPORT EP 04 10 2989

· Application Number

Cata	Citation of document with indica	ition, where appropriate.	Relevant	CLASSIFICATION OF THE
Category	of relevant passages		to claim	APPLICATION (Int.Cl.7)
Α -	DE 91 16 053 U (DISCHE 20 February 1992 (1992 * page 8, line 1 - pag * figure 3 *	2-02-20)	1	1
A	US 4 760 646 A (SIEGLE 2 August 1988 (1988-08 * column 15, line 64 - * figures 1,3,21 *	3-02)	13-17,22	
Α	EP 1 031 395 A (CECCHI MARCO (IT)) 30 August * paragraphs '0040! - * figures 3-5 *	2000 (2000-08-30)	13, 15-17,22	
A	US 5 826 343 A (MOLLBE 27 October 1998 (1998- * the whole document *	-10-27)	18	
A	US 4 558 518 A (MORABI 17 December 1985 (1985 * column 5, line 64 - * column 7, line 49 - * figures 7-10,20 *	5-12-17)	18	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
L	The present search report has been	drawn up for all claims		
	Place of search	Date of completion of the search		Examiner
	The Hague	15 February 2005	Char	riot, D
X : parti Y : parti docu A : tech	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone icularly relevant if combined with another irrent of the same category inclogical background—written disclosure	T: theory or principle E: earlier patent doc after the filing dat O: document cited in L: document cited fo &: member of the sa	cument, but publish te n the application or other reasons	hed on, or



Application Number

EP 04 10 2989



LACK OF UNITY OF INVENTION SHEET B

Application Number EP 04 10 2989

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-22 (15 as far as depending on any of claims 1-14 and 18 as far as depending on any of claims 1-17)

Electrically driven chain saw

2. claims: 1+15-21 (18 as far as depending on any of claims 15-17)

Protective cover for the chain

3. claims: 1+18-21

Resting means for the chain saw

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

EP 04 10 2989

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.

15-02-2005

	Patent document ed in search repor		Publication date		Patent family member(s)	'	Publication date
US	4654972		07-04-1987	DE	3342323	C1	15-05-198
•		.,		DE	3433746		27-03-198
				DE	8420326		20-12-198
				AU	3749585		13-06-198
				CA ⁻	1234335		22-03-198
				WO	8502362		06-06-198
				DK	328385		18-07-198
				ES	8601000		16-02-198
				FI	854972		16-12-198
				FR	2555093		24-05-198
			•	GB	2175846		10-12-198
			,	ĬŤ	1226966		26-02-199
				NO	852926		23-07-198
				SE	8602337		22-05-198
US	4513799	Α	30-04-1985	SE	450356	В	22-06-198
				AU	552597	B 2	05-06-198
				AU	1597283	Α	05-01-198
				CA	1200735	A1	18-02-198
				DE	126834	T1	28-03-198
				EP	0126834	A2	05-12-198
				FI	832172	Α	22-12-198
			•	NO	832226	Α	22-12-198
				SE	8203852	A	22-12-198
US	5685080	A	11-11-1997	DE	19617157	A1	30-10-199
EP	0062188	Α	13-10-1982	NO	811032		27-09-198
				AT	17203	T	15-01-198
				DE			13-02-198
				DE	8136849		28-10-198
				DK	139582		27-09-198
				EP	0062188		13-10-198
				FI	821031	A ,B,	27-09-198
US	2572405	A	23-10-1951	NONE			
US	1825164	Α	29-09-1931	NONE			
DE	9116053	U	20-02-1992	DE	9116053		20-02-199
				AT	1325		25-03-199
				AT	138598	Ţ	15-06-199
				DE	59206421		04-07-199
				EP	0549561	A1	30-06-199
US	4760646	Α	02-08-1988	NONE			

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

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

EP 04 10 2989

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.

15-02-2005

Patent documer cited in search rep		Publication date		Patent family member(s)	Publicatio dațe
EP 1031395	Α	30-08-2000	IT AT DE EP	FG990003 A1 282500 T 69921959 D1 1031395 A2	22-08-2 15-12-2 23-12-2 30-08-2
US 5826343	Α	27-10-1998	NONE		
US 4558518	A	17-12-1985	AU CA EP WO US	2435684 A 1247988 A1 0131046 A1 8402675 A1 4569135 A	02-08-1 03-01-1 16-01-1 19-07-1 11-02-1
	٠ ,				
	••				
					·
					•
	,				
				•	

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