(11) **EP 1 527 853 A3**

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3: **10.08.2005 Bulletin 2005/32**

(51) Int CI.7: **B26B 25/00**

(43) Date of publication A2: **04.05.2005 Bulletin 2005/18**

(21) Application number: 05100319.2

(22) Date of filing: 05.10.2000

(84) Designated Contracting States:

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU

MC NL PT SE

(30) Priority: 06.10.1999 US 157929 P

(62) Document number(s) of the earlier application(s) in accordance with Art. 76 EPC: 00968737.7 / 1 218 151

(71) Applicant: **BETTCHER INDUSTRIES, INC. Birmingham Ohio 44816 (US)**

(72) Inventors:

 Whited, Jeffrey, A. Amherst, OH 44001 (US)

Leimbach, Robert, L.
 Wakeman, OH 44819 (US)

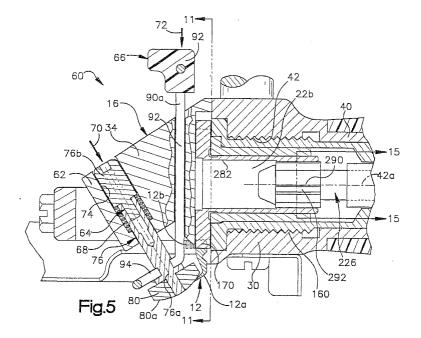
 Herrmann, Raymond Westlake, OH 44145 (US)

(74) Representative: Henkel, Feiler & Hänzel Möhlstrasse 37 81675 München (DE)

(54) Power operated rotary knife

(57) A rotary knife (10) comprising an annular blade (12) having a central axis (14) and an edge at one axial end (12a), a blade support assembly (16), a handle assembly (20) connected to said blade support assembly (16), a drive transmission (22) for rotating said blade (12) about said axis (14), and a steeling mechanism (60). The steeling mechanism comprises a steel assem-

bly (64), a steel support (62) that supports the steel assembly (64) for movement toward and away from engagement with the blade (12) along a first line of action (70), and a manually shiftable steel actuator member (66) supported for movement relative to the handle assembly (20) along a second line of action (72) that is neither parallel to, nor coextends with, the first line of action (70).





EUROPEAN SEARCH REPORT

Application Number EP 05 10 0319

	DOCUMENTS CONSID	ERED TO BE RELEVANT		
Category		dication, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.CI.7)
A	US 3 349 485 A (BET 31 October 1967 (19 * the whole documen	67-10-31)	1	B26B25/00
A	BETTCHER INDUSTRIES 29 April 1992 (1992		1	
A	US 4 575 937 A (MCC 18 March 1986 (1986 * column 6, line 37 figures 4,5,13 *	 ULLOUGH ET AL) -03-18) - column 8, line 20;	1	
				TECHNICAL FIELDS SEARCHED (Int.CI.7)
				B26B
	The present search report has b	·		
	Place of search The Hague	Date of completion of the search 14 June 2005	Her	Examiner rijgers, J
X : parti Y : parti docu A : tech O : non	ATEGORY OF CITED DOCUMENTS icularly relevant if taken alone coularly relevant if combined with anothe ment of the same category nological background written disclosure mediate document	T : theory or principl E : earlier patent do after the filing dat	e underlying the i cument, but publis e n the application or other reasons	nvention shed on, or

EPO FORM 1503 03.82 (P04C01) **N**

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

EP 05 10 0319

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.

14-06-2005

Patent doo cited in searc		Publication date		Patent family member(s)	Publication date
US 33494	85 A	31-10-1967	CH DE GB NL	482514 A 1553653 A1 1164742 A 6700217 A	15-12-196 16-03-197 17-09-196 11-07-196
EP 04823	51 A	29-04-1992	US DE DE DE EP EP ES JP RU US	5230154 A 69125239 D1 69125239 T2 69133150 D1 69133150 T2 0482351 A2 0743145 A2 2183900 T3 6063254 A 2088397 C1 5400511 A	27-07-199 24-04-199 16-10-199 19-12-200 24-07-200 29-04-199 20-11-199 01-04-200 08-03-199 27-08-199
US 45759	37 A	18-03-1986	NONE		

FORM P0459

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