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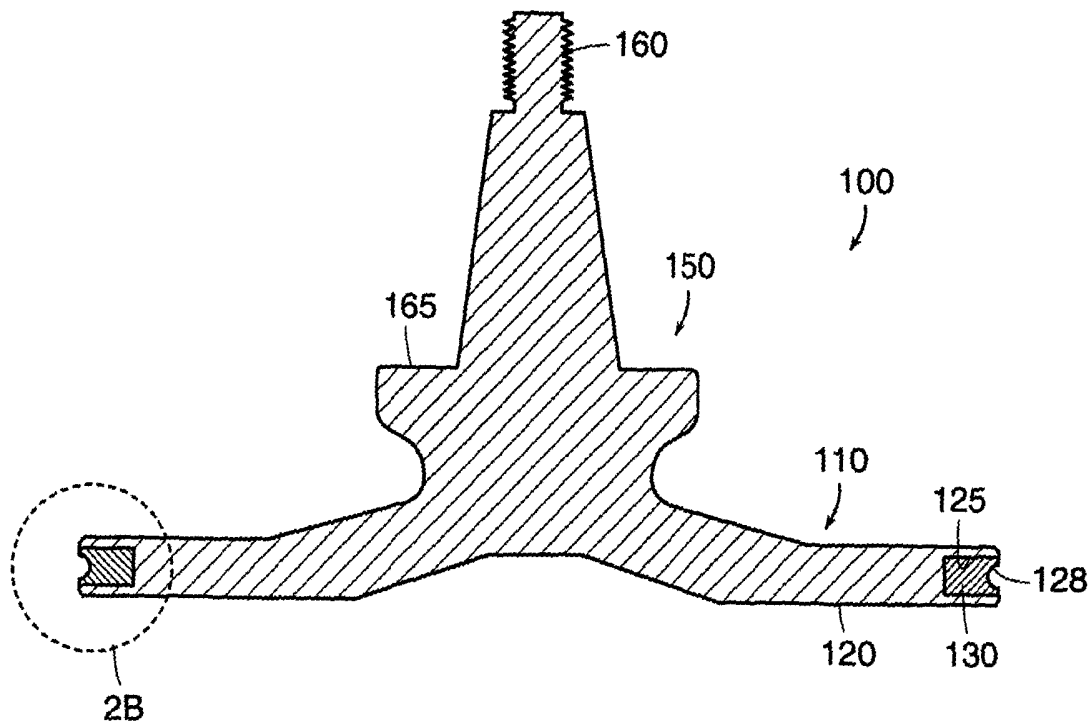
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- (71) Applicant: SAINT-GOBAIN ABRASIVES TECHNOLOGY COMPANY [US/US]; 1 New Bond Street, Worcester, MA 01606 (US). (88) Date of publication of the international search report: 10 June 2004
- (72) Inventor: TUNSTALL, John; 114 Timberhill Road, Buffalo Grove, IL 60089 (US). For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ABRASIVE TOOL HAVING A UNITARY ARBOR



(57) Abstract: A grinding tool (100) and method is provided for shaping an edge of sheet glass. The grinding tool (100) includes an arbor (30) and a wheel (20) being of an unitary construction and including an axis of rotation. The grinding tool has a recess (125) extending along a periphery of the wheel with a bonded (128) surface for being profiled which may be further sized and shaped for being re-profiled after use.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/22451

A. CLASSIFICATION OF SUBJECT MATTER																				
IPC(7) : B24B 7/24																				
US CL : 451/44																				
According to International Patent Classification (IPC) or to both national classification and IPC																				
B. FIELDS SEARCHED																				
Minimum documentation searched (classification system followed by classification symbols) U.S. : 451/44																				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE																				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST																				
C. DOCUMENTS CONSIDERED TO BE RELEVANT																				
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.																		
Y	US 6,358,133 B1 (CESENA ET AL.) 19 MARCH 2002 (19.03.2002), SEE ENTIRE DOCUMENT.	2-24																		
Y	US 5,662,515 A (EVENSEN) 02 SEPTEMBER 1997 (02.09.1997), SEE ENTIRE DOCUMENT.	1, 13-14, 16-17, AND 22																		
Y	US 5,944,584 A (TOYAMA) 31 AUGUST 1999 (31.08.1999), SEE ENTIRE DOCUMENT.	1, 13-14, 16-17, AND 22																		
A	US 4,457,113 A (MILLER) 03 JULY 1984 (03.07.1984), SEE ENTIRE DOCUMENT.	1-24																		
☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.																				
<table border="0"> <tr> <td colspan="2">* Special categories of cited documents:</td> <td>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"A" document defining the general state of the art which is not considered to be of particular relevance</td> <td>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> <td></td> </tr> <tr> <td>"E" earlier application or patent published on or after the international filing date</td> <td>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> <td></td> </tr> <tr> <td>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"&" document member of the same patent family</td> <td></td> </tr> <tr> <td>"O" document referring to an oral disclosure, use, exhibition or other means</td> <td></td> <td></td> </tr> <tr> <td>"P" document published prior to the international filing date but later than the priority date claimed</td> <td></td> <td></td> </tr> </table>			* Special categories of cited documents:		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone		"E" earlier application or patent published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art		"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family		"O" document referring to an oral disclosure, use, exhibition or other means			"P" document published prior to the international filing date but later than the priority date claimed		
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