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(54) **The method of modifying the flat glass surface and the apparatus for carrying out this method**

(57) The method of modifying the flat glass surface is based on that the surface of a glass is worked by abrasive grains of synthetic diamond which are situated in the mass of plastic threads that are a part of a rotating brush. The glass is first tarnished using brushes with rougher abrasive grains of synthetic diamond and then tarnishing is finished using brushes with smaller abrasive grains. With the brushes, it is also possible to modify already sandblasted glass surface. The apparatus for modifying glass surface is made up of at least one rotating brush (9, 10) that is bedded in static or moveable disposition above the glass plate (5) which is to be modified, while the brush (9,10) has abrasive plastic threads (3) embedded with abrasive grains of synthetic diamond.

Fig. 2





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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	EP 1 236 696 A1 (ISHIZUKA GLASS KABUSHIKI KAISH [JP]) 4 September 2002 (2002-09-04)	1-4,7,8	INV.
Y	* the whole document *	5,6,9,10	B24B7/24 B24B29/00
A	JP 2005 200455 A (NIIZAKI YUICHIRO; NIIZAKI TOMOKO) 28 July 2005 (2005-07-28) * abstract; figures *	1-10	
Y	JP 2002 254288 A (NIPPEI TOYAMA CORP) 10 September 2002 (2002-09-10) * the whole document *	5,6	
Y	US 2006/128281 A1 (BANDO KAZUAKI [JP]) 15 June 2006 (2006-06-15) * paragraph [0057] - paragraph [0058]; figure 1 *	9,10	
			TECHNICAL FIELDS SEARCHED (IPC)
			B24B B24C
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 21 October 2016	Examiner Watson, Stephanie
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			

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

EP 11 00 7213

5 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
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21-10-2016

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1236696 A1	04-09-2002	EP 1236696 A1	04-09-2002
		JP 2001062727 A	13-03-2001
		US 2002164933 A1	07-11-2002
JP 2005200455 A	28-07-2005	NONE	
JP 2002254288 A	10-09-2002	NONE	
US 2006128281 A1	15-06-2006	AU 2002335254 A1	04-05-2004
		CN 1684795 A	19-10-2005
		EP 1559507 A1	03-08-2005
		JP 4075891 B2	16-04-2008
		US 2006128281 A1	15-06-2006
		US 2012021679 A1	26-01-2012
		WO 2004033149 A1	22-04-2004