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⑤④ **Surface grinding apparatus.**

⑤⑦ A surface grinding apparatus for grinding the surface of a workpiece (W) such as a semiconductor wafer. The surface grinding apparatus comprises a support stand (4), at least one workpiece holding chuck table (6) rotatably mounted on the support stand (4), a rotatably mounted grinding wheel (8) for grinding the surface of the workpiece (W) held on the chuck table (6), chuck table rotating means (76) for rotating the chuck table (6) and wheel rotating means (116) for rotating the grinding wheel (8). When grinding the surface of the workpiece (W) held on the chuck table (6) with the grinding wheel (8), the grinding wheel (8) is rotated and the chuck table (6) is also rotated to rotate the workpiece (W) held on the chuck table (6).





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 4)
X	US-A-3 691 697 (D.L. BENDER) * figures 1-3; column 3, lines 33-61; claim 1 *	1,3,6,15	B 24 B 7/16
P,X	GB-A-2 138 719 (MARCONI ELECTRONIC DEVICES LTD.) * figures 2, 3; page 1, lines 98-120, claims 1, 3 *	1,3,6	
X	US-A-2 145 310 (A.J. LEWIS et al.) * figures 1, 5-7 *	1,3,7,8,9,10	
A	PATENT ABSTRACTS OF JAPAN, vol. 7, no. 237 (M-250)[1382], 21st October 1983; & JP - A - 58 126 051 (TOUKIYOU SEIKI KOUSAKUSHIYO) 27-07-1983	9	
A	GB-A-1 422 908 (CONE-BLANCHARD MACHINE CO.) * figure 1; page 2, lines 116-123 *	4	
D,A	EP-A-0 039 209 (FUJITSU LTD.) * claim 1, figures 1-3 *	1	TECHNICAL FIELDS SEARCHED (Int Cl 4)  B 24 B 7/00 B 24 B 37/00 B 24 B 27/00
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 17-07-1987	Examiner BERNAS Y.N.E.
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			