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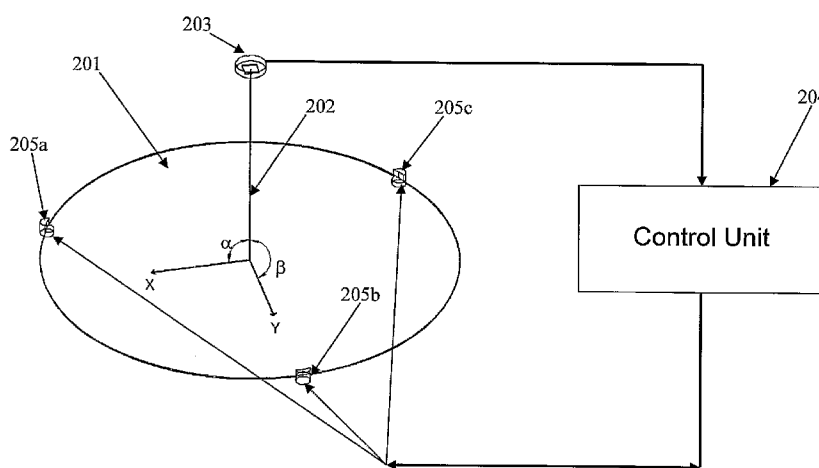


Fig. 2

(57) Abstract: A system for substrate handling proposed, comprising an optical local tilt detector, a plurality of arms each having vertically extended movable along vertical axis fingers to contact the edge of a substrate, wherein at least one of the arms has a linear actuator moveable arm and each of the fingers provided by z-axis miniature linear actuator; and a control unit connected to said tilt detector and said z-axis linear actuators enabling measuring and correcting of local tilt.



INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL2008/000779

<p>A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - H01L 21/68 (2008.04) USPC - 414/935 According to International Patent Classification (IPC) or to both national classification and IPC</p>																	
<p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols) IPC(8) - H01L 21/68, 21/683, 21/687 (2008.04) USPC - 414/618, 935, 941</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PatBase, Google Patents</p>																	
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <thead> <tr> <th>Category*</th> <th>Citation of document, with indication, where appropriate, of the relevant passages</th> <th>Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td>Y</td> <td>US 7,140,655 B2 (KESIL et al) 28 November 2006 (28.11.2006) entire document</td> <td>1-20</td> </tr> <tr> <td>Y</td> <td>US 2005/0063580 A1 (ZAGATSKY) 24 March 2005 (24.03.2005) entire document</td> <td>1-20</td> </tr> <tr> <td>Y</td> <td>US 5,955,739 A (KAWASHIMA) 21 September 1999 (21.09.1999) entire document</td> <td>8-9, 18-19</td> </tr> <tr> <td>Y</td> <td>US 2004/0140436 A1 (KIKUCHI) 22 July 2004 (22.07.2004) entire document</td> <td>14</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	Y	US 7,140,655 B2 (KESIL et al) 28 November 2006 (28.11.2006) entire document	1-20	Y	US 2005/0063580 A1 (ZAGATSKY) 24 March 2005 (24.03.2005) entire document	1-20	Y	US 5,955,739 A (KAWASHIMA) 21 September 1999 (21.09.1999) entire document	8-9, 18-19	Y	US 2004/0140436 A1 (KIKUCHI) 22 July 2004 (22.07.2004) entire document	14
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<p>Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201</p>		<p>Authorized officer: Blaine R. Copenheaver PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774</p>															