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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR LINEAR PAD CONDITIONING

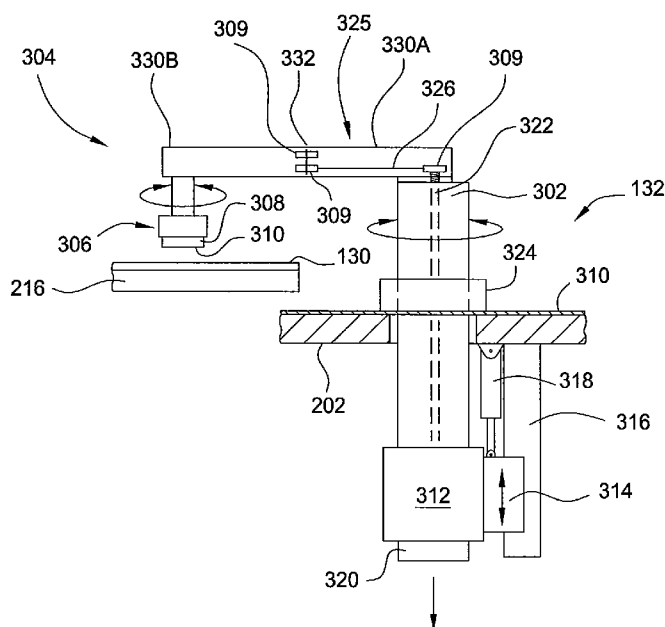


FIG. 3A

(57) Abstract: A method and apparatus for conditioning a polishing pad is described. The apparatus includes a base coupled to a platform, a first arm member having a first end coupled to the base, and a second arm member having a first end pivotably coupled to a second end of the first arm member and a conditioning disk coupled to a second end opposite the first end. The method includes rotating a polishing pad, urging a rotating conditioning disk against a polishing surface of the polishing pad, and moving the conditioning disk in a linear direction relative to the rotating polishing pad to perform a conditioning process.



TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, —  
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**A. CLASSIFICATION OF SUBJECT MATTER*****H01L 21/304(2006.01)i***

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)

B24B; H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) &amp; Keywords:"polishing","conditioning","dressing"

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                      | Relevant to claim No. |
|-----------|-------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X         | US 2003-0134580 A1 (KUNIHICO SAKURAI et al.) 17 July 2003<br>See the abstract, paragraphs [0054]-[0076], and figure 13. | 1-6, 13-16            |
| X         | US 2008-0287043 A1 (SAITO KENICHIRO et al.) 20 November 2008<br>See the abstract and figure 1.                          | 1-6, 13-16            |
| X         | KR 10-0776570 B1 (DOOSAN MECHATECH CO., LTD.) 15 November 2007<br>See the abstract and figure 3.                        | 1-6, 13-16            |
| A         | US 2005-0181707 A1 (JEFFREY H. WOOD) 18 August 2005<br>See the whole document.                                          | 1-16                  |



Further documents are listed in the continuation of Box C.



See patent family annex.

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"&amp;" document member of the same patent family

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Information on patent family members

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