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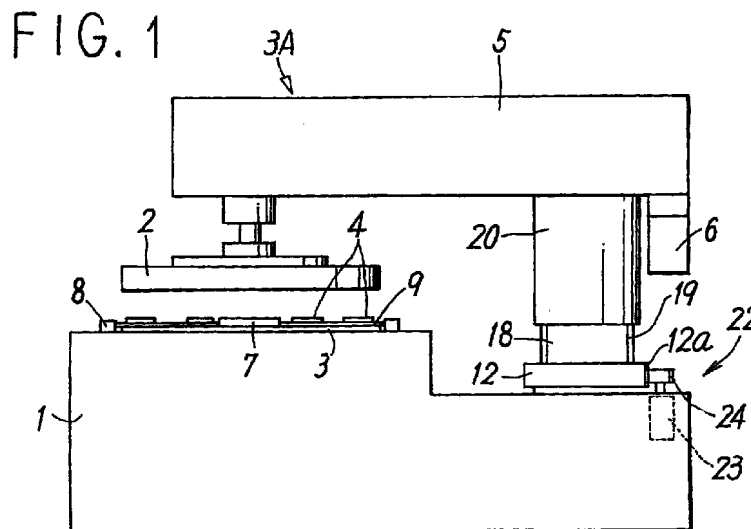
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(54) **Surface polishing apparatus with upper surface plate elevating mechanism**

(57) A surface polishing apparatus is provided with an upper surface plate elevating mechanism that can use a small elevating mechanism to simply and accurately raise and lower an upper surface plate 3 and stop it at a specified position even if the total weight of the upper surface plate, including associated equipment, is large. A plurality of air cylinders 15 constantly support

part of the load of the upper surface plate assembly 3A, which includes the upper surface plate 3 and a surface plate supporting frame 5. A servo motor 16 is used to raise and lower the upper surface plate assembly 3A and to stop it at a specified position.





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EUROPEAN SEARCH REPORT

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			B24B B23Q
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		14 September 2000	Eschbach, D
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  
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