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(54) **Method and apparatus for edge grinding of vertically stacked plate items**

(57) There are disclosed a method and an apparatus for edge grinding of plate items in a vertical stack, e.g. laminboards, where a grinding apparatus is used, comprising a number of vertical shafts for a number of abrasive rollers (2,4) forming vertical grinding cylinders with a length adapted to the height of the stacks of items and which are driven by each their drive motor so that the grinding cylinders may be rotated in each their direction of rotation, which grinding cylinders are suspended in a turning ring by a trolley which is displaceable in the transverse direction relative to a support beam displaceable along a rollerpath for the stacks of items and a fixation device for the stacks of items arranged along the rollerpath, and where there is used a compu-

terised, combined electronic and pneumatic control system, where that the programming of the control computer occurs manually by moving a registering wheel for the respective grinding cylinders along the external edges of the item stacks so that the grinding cylinders of the grinding apparatus subsequently automatically may perform the desired edge grinding, as suitable means for regulating pressure controlled pressing of the grinding cylinders against the outer edges of the stacks of items are used. In a simple way it hereby becomes possible to mechanise the work connected with edge grinding of stacks of plate items of any shape, including laminboards with concave sections, and implying bad working environment.

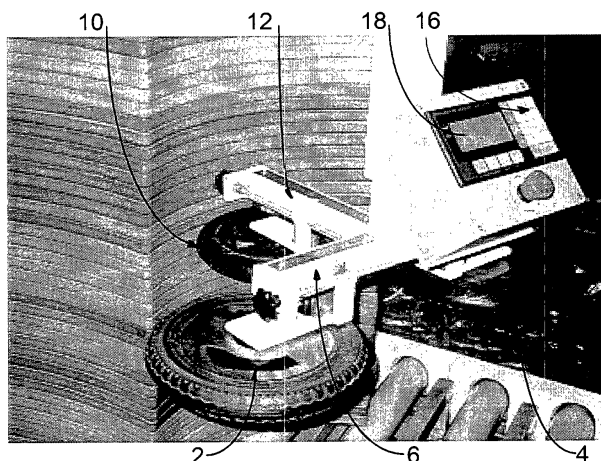


Fig. 4



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EUROPEAN SEARCH REPORT

Application Number
EP 01 12 3493

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A	US 4 115 684 A (LINDBOM TORSTEN H) 19 September 1978 (1978-09-19) * column 6, line 33 - column 7, line 29; figure 5 *		TECHNICAL FIELDS SEARCHED (Int.Cl.7) B24B G05B
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Place of search THE HAGUE		Date of completion of the search 22 May 2002	Examiner Petrucchi, L
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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