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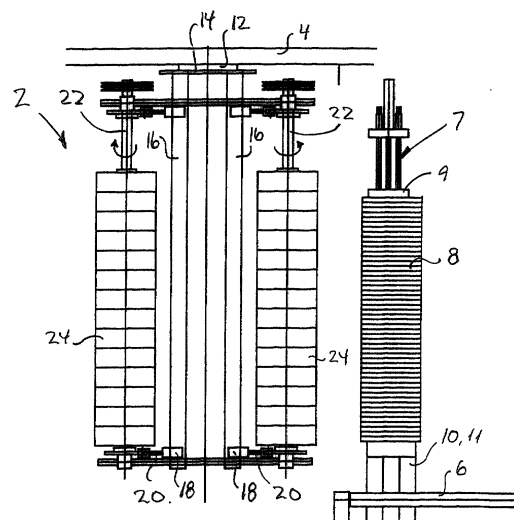
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(54) **An apparatus for edge grinding plate-like articles in a vertical stack, e.g. laminboards**

(57) There is described an apparatus (2) for edge grinding of plate-like items, e.g. laminboards, e.g. laminboards, comprising a carrying transom (4) displaceable in the longitudinal direction, a trolley (12) with a turning ring (14) which is displaceable transversely thereto, a roller conveyor (6) for stacks (8) of plate-like items, a fixing device along the roller conveyor (6) for the said item stacks (8), and a programmable, preferably combined electronic and pneumatic, control system, which apparatus comprises a number of vertical carrying beams (16) suspended by the turning ring (14), and which are mutually connected by means of a number of horizontal bushing pipes (18) in which there are mounted sliding rod guides (20) for two vertical shafts (22) on which there is mounted large number of grinding means rollers forming vertical grinding cylinders (24) that preferably have greater length than height in comparison with the said item stacks (8), and which are connected with each their driving motor, e.g. via driving belt wheels and driving belts, so that said grinding cylinders (24) may rotate with each their direction of rotation. In a simple way it hereby becomes possible to mechanize the very heavy and work environment detrimental work connected with edge grinding of plate-like items, e.g. stacked laminboards, which apparatus in addition makes possible to optimise the grinding work itself.



**Fig. 1**



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# EUROPEAN SEARCH REPORT

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EP 00 10 4873

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The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>21 May 2002</b>	Examiner <b>Petrucchi, L</b>
<b>CATEGORY OF CITED DOCUMENTS</b> 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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