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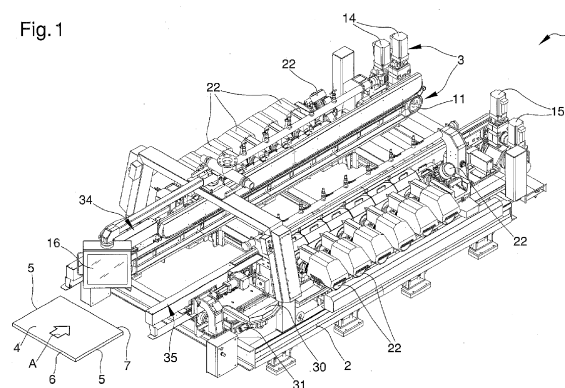
(54) **Machine for grinding plate-shaped elements, particularly tiles and slab of ceramic material, natural stones, glass or the like**

(57) The machine (1) for grinding plate-shaped elements, particularly tiles and slabs of ceramic material, natural stones, glass or the like, comprises:

- a base frame (2);
- forward movement means (3) for at least a plate-shaped element (4) having at least a first side (5) to be ground and at least a second side (6) transversal to the first side (5), the forward movement means (3) being fitted on the base frame (2), being suitable for moving the plate-shaped element (4) on a movement surface (8) along a direction of forward movement (A) and comprising two pairs of flexible elements (9a, 9b; 10a, 10b), of which a first pair (9a, 9b) is fitted on a first support structure (12) and a second pair (10a, 10b) is fitted on a second support structure (13), wherein the support structures (12, 13) are associated with the base frame (2) in a reciprocal moving way, approaching and moving away along a transversal direction (B) substantially at right angles to the direction of forward movement (A);
- machining means (20, 21) for the first side (5), which are arranged in proximity of the movement surface (8) and are suitable for intercepting the plate-shaped element (4) in its movement along the direction of forward movement (A), the machining means (20, 21) comprising at least one between a side grinding wheel (20) and a chamfering wheel (21); and
- square positioning means (32, 33, 34, 35) of the plate-shaped element (4) on the movement surface (8), which comprise a first pusher (32) and a second pusher (33) moving alternately along the direction of forward move-

ment (A) and are suitable for pushing the second side (6) to place it in a squared-up position substantially at right angles to the direction of forward movement (A), wherein the first pusher (32) is fitted on the first support structure (12) and the second pusher (33) is fitted on the second support structure (13), the pushers (32, 33) being mobile with the support structures (12, 13) along the transversal direction (B).

Fig. 1





EUROPEAN SEARCH REPORT

Application Number
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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 27 February 2015	Examiner Gelder, Klaus
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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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
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