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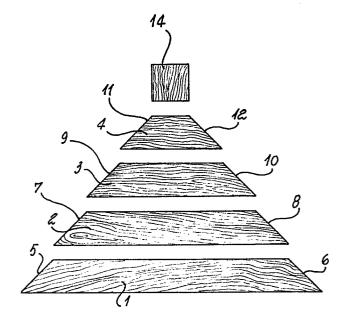
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System for producing wood tiles with listel components for the building industry.

The composition is obtained by approaching on the quadrilateral sides as many sets of listels (1, 2, 3, 4) obliquely cut off in order to get the adherence among the same on the diagonals. By employing a central square part (14) and a like set of listel components (1, 2, 3, 4) cut at 45°, a square tile can be obtained. The integral bond of the components on their adhesion walls is carried out by means of seizing and riveting points (15) on the plane standing behind. The tile can be set to work on a mastic bed.



"System for producing wood floor tiles with listel components for the building industry".

The invention refers to a new principle proceeding for manufacturing wood floor tiles, for the building industry and furnishings, which substantially foresees to fit integrally, around a quadrilateral central part, a set of listels in parallel in adherence on the diagonal. The listel may have either a rectangular or square shape.

The proceeding employs for the composition parts of different shape forming the central part, and singular components forming the set of listels, thus allowing to obtain composed forms like those of the present systems which can be merely carried out with the conventional methods.

At present, in order to get a quick mounting and an exposing plane not uniform in respect to the base system which employs singular listels by approaching, a second process foresees the fitting, by means of mastic, of a set of listels in parallel on the back square leaning base. In this case, the variability of the exposition plane drawing is obtained by setting the work the tiles on line with alternate orienting of the listels. If using this second proceeding, however, only one modular component does not obviate the repetioning effect of the base system. Moreover, respect to

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the former system enabling to fix the listels by means of riveting, the second proceeding carries out a precarious binding condition on the leaning slab on account of leaning base which fixes the listels on mastic. The presence of a drawing resulting from the combination of more components is a fundamental point in good quality pavements and panels, however, these executions at present turn out to be particular ly expensive since they require the manufacture of separate components in different shapes, their classification and, therefore, their mounting according to schemes of composition previously foreseen. The invent ed system permits a sector industrial advancement by performing a tile which can be quickly installed and foresees a drawing in exposing plane resulting from the combination of more components with different geometry. This is possible because a form of composition is foreseen which can be carried out by approaching, to the sides of a quadrilater part, four sets of listels obliquely truncated obtaining the adherence of the same sets. The components of the drawing, therefore, are given by the central part having a square structure, operating as a bulged mass as the centre of the figure and by each component of the sets operating as longitudinal component with different length tapering towards the centre. In this way, by employing a square tile, five forms will result in composition, four of which that compose the set, employed in four different drawing positions. In particular, when carrying out the square tile, the listel components will turn out to be truncated at 45°. Once the wished form is carried out by approaching the walls, the solidarity bound of the components of each listel set is obtained by means of clawing points. The integral bound of the four sets, which enables to get the tile, can be carried out by binding the equal listel components of the sets by means of riveting points which ensure an efficient binding condition on the diagonals.

An execution form is illustrated in a merely indicative way and, as such, not limiting the proceeding, by the drawings of Table 1, where fig. 1 is the back side of the tile to show the clawing and rivetting binding points. The central part can be observed which is con-

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nected only by means of the clawing point pair to the intial component of two of the counterposed sets. The binding between the sets through two clawing points can be observed too which bind the listels by two, as well as the binding of the four sets obtained by means of other clawing points. Fig. 2 is the perspective view of the tile. Fig.3 is the view of the set components and of the central part.

A square tile is manufactured with a cropper which, by cutting off at 45°, forms the listel components 1, 2, 3 and 4 of the four sets. These one have an isosceles trapezium shape with slanting sides 5 and 6, 7 and 8, 9 and 10 and 11 and 12 symmetrical and arranged at 45°. The binding condition of the set of the listel components is obtained by connecting them with clawing points 13 applied on line by pairs. The binding between to sets of listels and the central body 14 is also obtained by clawing points. At last, the two remaining sets are brought in composition too and are integrally bound to the first ones by means of riveting points on the composition diagonals.

The tile shape may be square, rectangular or in connection with the employ requirements. The number of the components around the central part may vary. The tiles can be carried out in wood essences, derivated or other.

Claims.

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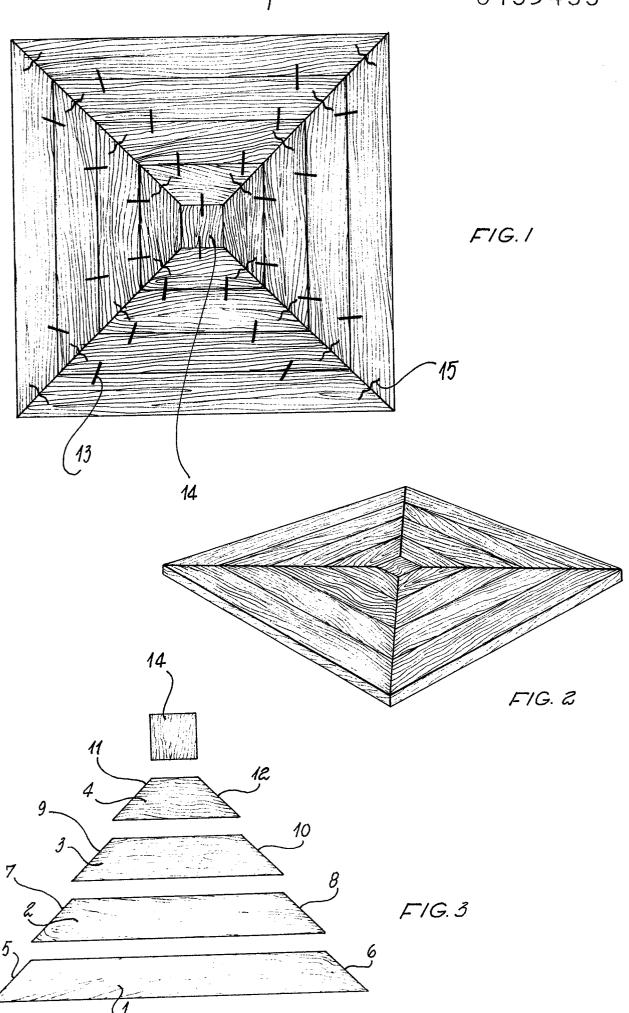
- 1) System for producing wood floor tiles with listel components for the building industry, characterized by the fact that is foreseen which can be carried out by approaching, to the sides of a quadrilateral part, four sets of listels obliquely truncated obtaining the adherence of the same sets. The components of the drawing, therefore, are given by the central part having a square structure, operating as a bulged mass as the centre of the figure and by each component of the sets operating as longitudinal component with different length tapering towards the centre. In this way, by employing a square tile, five forms will result in composition, four of which that compose the set, employ ed in four different drawing positions.
- 2) System for producing wood floor tiles with listel components for the building industry, according to the previous claim, characterized by the fact that to carry out the square tile, the listel components will turn out to be truncated at 45°.
- 3) System for producing wood floor tiles with listel components for the building industry, according to the previous claims, characterized by the fact that once the wished form is carried out by approaching the walls, the solidarity bound of the components of each listel set is obtained by means of clawing points.
- 5 4) System for producing wood floor tiles with listel components for the building industry, according to the previous claims, characterized by the fact that the integral bound of the four sets, which enables to get the tile, can be carried out by hinding the equal listel components of the sets by means of riveting points which ensure an efficient binding condition on the diagonals.
 - 5) System for producing wood floor tiles with listel components for the building industry, according to the previous claims, characterized by the fact that a square tile is manufactured with a cropper which, by cutting off at 45°, forms the listel components 1, 2, 3 and 4 of the

four sets. These ones have an isosceles trapezium shape with slanting side 5 and 6, 7 and 8, 9 and 10, and 11 and 12 symmetrical and arranged at 45°.

6) System for producing wood floor tiles with listel component for the building industry, according to the previous claims, characterized by the fact that the binding condition of the set of the listel components is obtained by connecting them with clawing points 13 applied on line by pairs.

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7) System for producing wood floor tiles with listel component for the building industry, according to the previous claims, characterized by the fact that the binding between to sets of listels and the central body 14 is also obtained by clawing points. At last, the two remaining sets are brought in composition too and are integrally bound to the first ones by means of riveting points on the composition diagonals.





EUROPEAN SEARCH REPORT

0159455

EP 84 83 0086

	DOCUMENTS CONS	SIDERED TO BE RELEVA		
Category		th indication, where appropriate, vant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. CI.4)
х	CH-A- 91 482 * Page 2, left-1 5-9 *	(RISI) nand column, lines	5	E 04 F 15/04 B 44 C 3/12
Y			3,6	
Y	CH-A- 347 343 * Claim and sub-		3,6	
A	FR-A-1 435 167	(CERIEZ)		
A	FR-A-1 313 662	(SAHLI)		
A	FR-A- 448 272	(THUILLIER)		TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A	DE-A-2 919 564	(MOTTA)		B 27 M E 04 F B 44 C
	The present search report has b			
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A: tec	CATEGORY OF CITED DOCL ticularly relevant if taken alone ticularly relevant if combined w cument of the same category hnological background n-written disclosure ermediate document	after the ith another D: docum	ne filing date nent cited in the appending the cited for other nent cited for other ner of the same pate	lying the invention but published on, or plication reasons int family, corresponding

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