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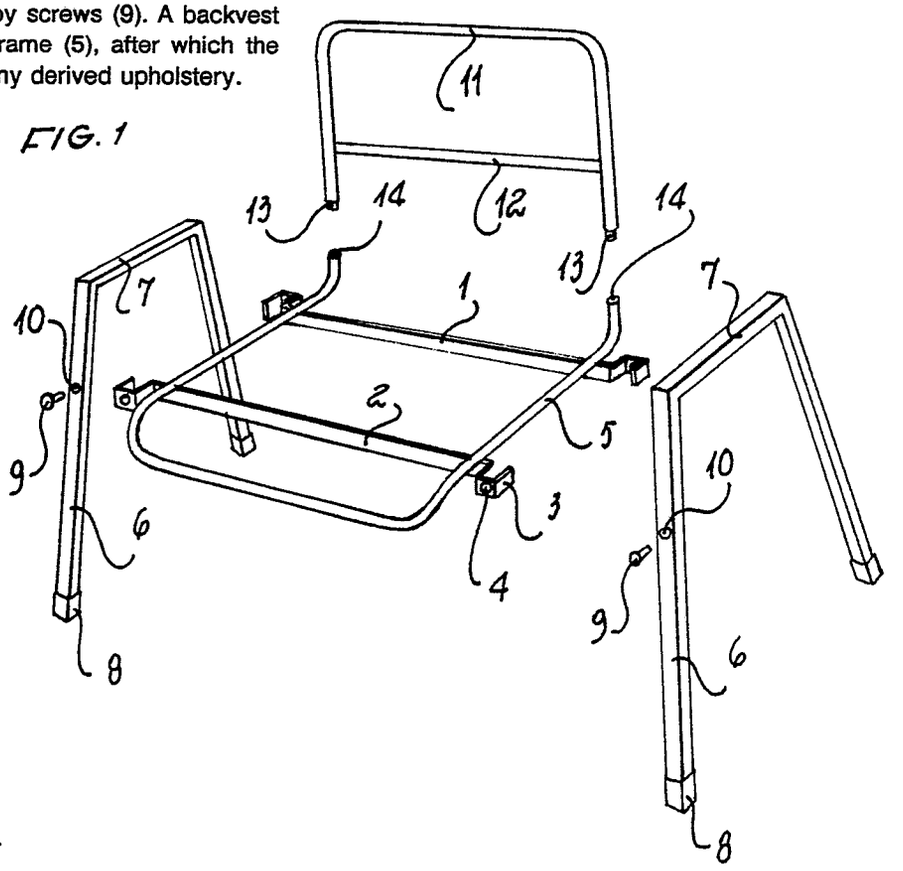
(54) Composable chair.

(57) Composable chair consisting of a seat frame (5) and transverse bars (1, 2) ending in clamps (3), two side frames (6) provided with holes (10) to which the seat frame (5) is attached by screws (9). A backvest (11) is then fitted to seat frame (5), after which the chair can be finished with any derived upholstery.

FIG. 1



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"Composable chair"

The invention refers to a system of composition which enables to carry out seats by means of mnemonic checking sequences only and by the employ of tendentially flat parts. This allows to considerably reduce the encumbrance volume of the seat in store condition and for transport, as well as to elementarize the manufacture forms reducing their costs. In the furniture industry, the storage costs after production, as well as the ones on the sale point, and those for transport are particularly high and considerably affect the final costs of the standard type seats. The said standard productions, moreover, are liable to a higher market competition which compels to limit costs to obtain a larger sale.

The invention performs a substantial reduction of the above costs and allows to obtain a more competitive product which does not require the presence of a specialist during the mounting phase.

Substantially the proceeding foresees the formation of the frame by composition with automatic bond of four essential parts: a central part for supporting the seat with continuous outer profile in in tubular material with transversal fittings, two sides in continuous profile and one for the back side support.

For mounting, into counterposed pairs of layers with gripping walls, fitted on the ends of transversal structuration bars of a tubular profile for the seat delimitation, a pair of tubular sides are introduced with uprights opened downwards and higher fillets to act as arms, blocking then the three parts up to the end of the shift in position with through screwed insertions. This gripping condition is allowed by lowering side uprights, open downwards, in the pair of layers with vertical counterposed walls determining a pressure insertion whick blocks the parts in position. On the back, upwards bent terminals of the said tubular profile of the seat, a backside part can then be fitted with coaxial clutch in similar profile, which is structured as a transversal profile or by the covering mantel forming the backside. The delimiting tubular profiles of the seat part and of the backside one, are determining only one closed continuous profile of frame for supporting the part or parts for the person leaning with different design. This part will be fitted in different ways either by self-constraint on the frame profile or by employing any known fixing means, such as through parts, automatisms of binding, autoadhesives and other.

An explication form of execution of the system and not limiting the realizations, is illustrated by the drawings of table 1. With reference to fig. 1, this one shows the resolved view of the four frame essential components, with the resolved view of the screwed insertion pair for blocking the simultaneous operating pair of sides to the seat part. Fig. 2 is a lateral view of a side. Fig. 3 is the perspective view of the side pair already fitted to the seat part. Fig. 4 is the perspective view of the mounted seat and using to leaning components for the sitting person.

In a version, the seat consists of the sitting part formed by the pair of transversal bars 1 and 2 ending with the fitting clamps 3 foreseen with bore 3. These structures bear the delimitation profile 5. For mounting, the sides with uprights 6 and fillets 7 with feet 8 are introduced into the counterposed pairs of imposing clamps, and the whole is blocked by means of the screwed insertion 9 passing through bores 4 foreseen on the clamps 10 on the same sides. The back side consists of profile 11 structured by cross piece 12 and to fit by coaxial connection by introduction downwards of pivots 13 into the cylindrical ducts 14 of section 5.

The frame components, the binding means, as well as the leaning parts for the person may be foreseen in different ways.

Claims

1) Composable chair, consisting of a frame forming the actual seat made by a couple of transversal bars (1 and 2) ending with holdfasts (3), by two sides made by uprights (6) and fillings (7) and by a profile back board (11). For mounting, the end parts of the transversal bars for the seat structuration are introduced into the counterposed pairs of layers with clamping walls, end pieces of the transversal bars for the seat structuration, the pair of tubolar sides with uprights opened at the lower ends and higher fillets to act as arm rests, by blocking then the three parts at the end of shift trip in position with screwed insertion s (3) passing into the bores already foreseen on the parts. The gripping condition is possible, with gravitational effect, by sinking the side uprights, opened downwards, into the pair of daps thus determining a pressure kerf which blocks the parts in position. On the back terminal of the said seat tubolar profile, which are bent upwards, a back side (11) can then be fitted with coaxial insertion into a similar profile piece structured as transversal profile (12).

2) Composable chair as to claim 1, characterized by the fact that the tubular profile pieces delimiting the sitting respectively the back part, form only one continuous closed frame profile on which means will be fitted for teh person leaning according to different disegns. These parts will differently fitted either by means of selfbinding on the frame or by using all known fixing means.

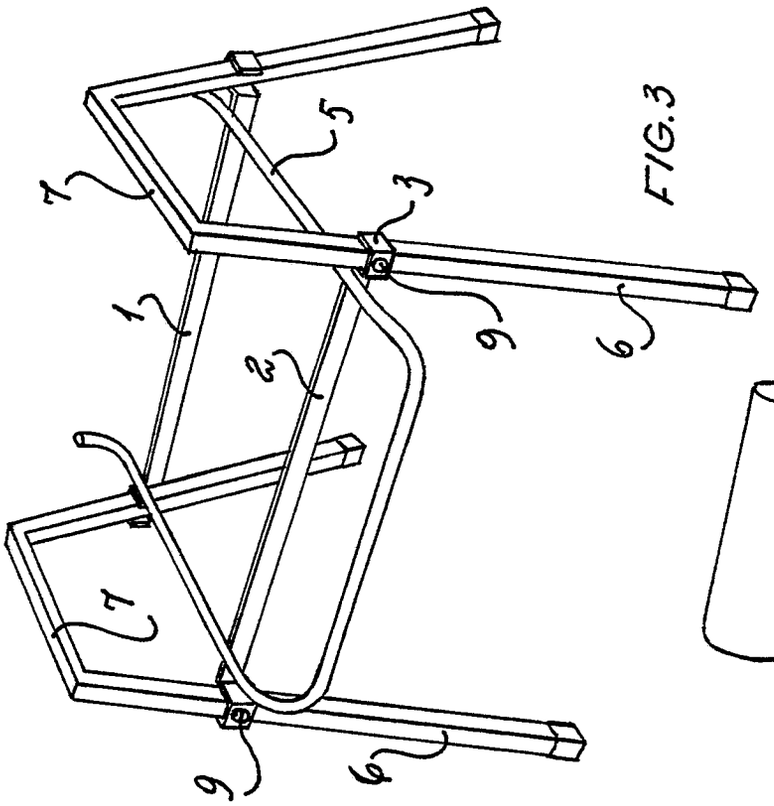

FIG.3

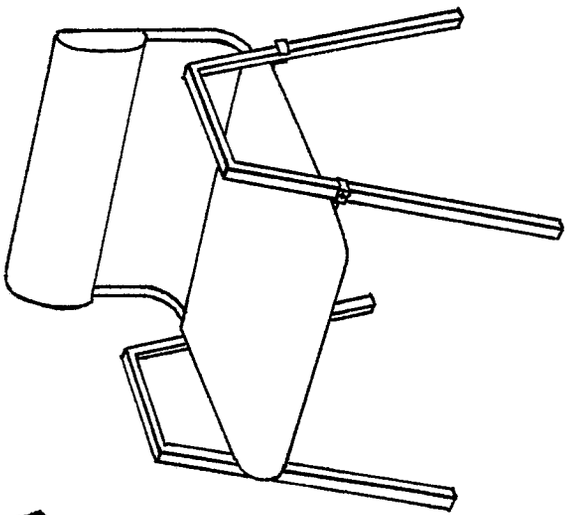

FIG.4

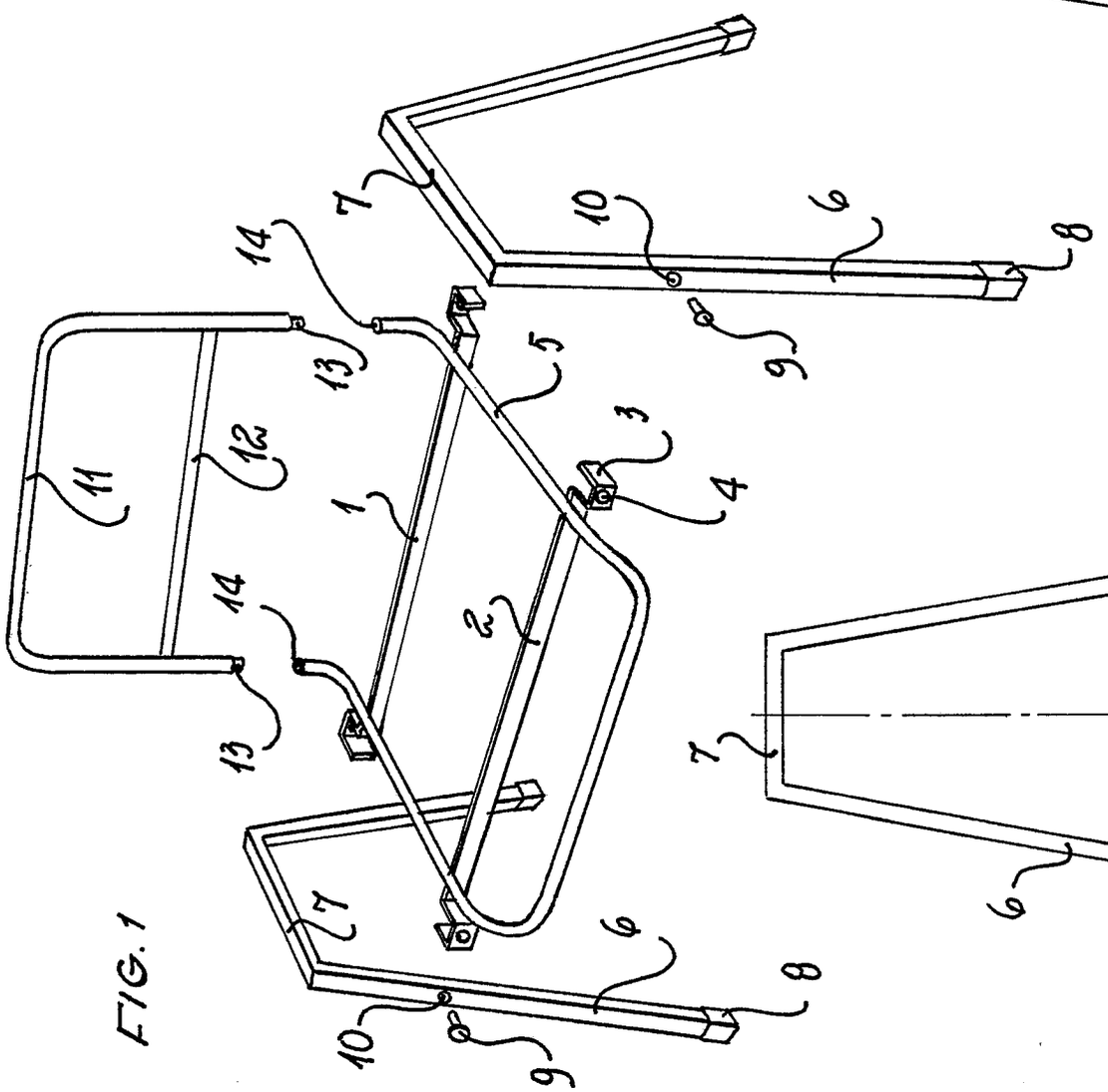

FIG.1

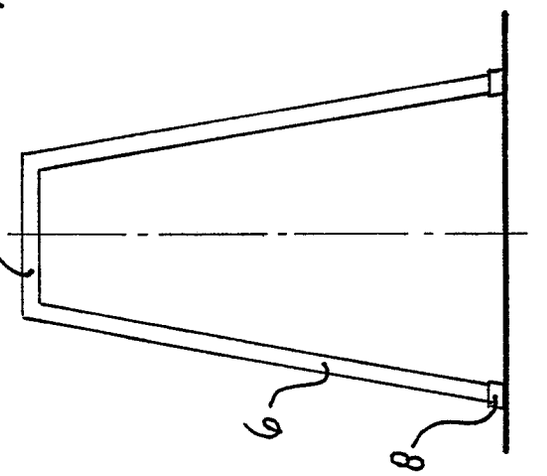

FIG.2

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EUROPEAN SEARCH REPORT

Application number

EP 86 83 0094

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	GB-A-2 016 914 (BENTELER-WERKE AG) * Figures 1-8,14-17; page 2, lines 19-84 *	1,2	A 47 C 4/02 A 47 C 5/10
A	FR-A-1 501 938 (POLYTECHNIQUE DU SIEGE) * Figures *	1,2	
A	US-A-4 209 198 (C.N. APPLE, Sr.) * Figures *	1,2	

TECHNICAL FIELDS SEARCHED (Int. Cl.4)

A 47 C

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
THE HAGUE	24-07-1987	MYSLIWETZ W.P.

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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E : earlier patent document, but published on, or after the filing date
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