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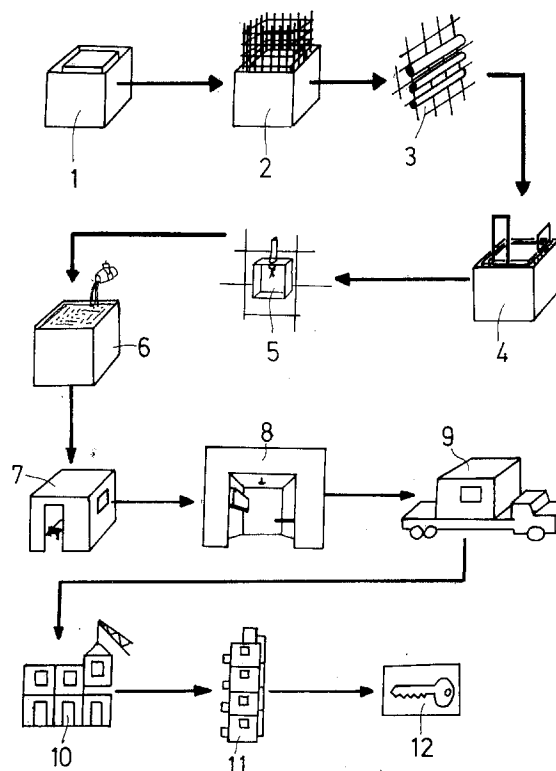
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(54) **Procedure for the execution of all kinds of constructions.**

(57) **"PROCEDURE FOR THE EXECUTION OF ALL KINDS OF CONSTRUCTIONS"** characterized essentially because first of all a mold (1) of any type is prepared inside which a metal frame (2) is fitted and, joined to this, is an entire internal network of distribution pipes for water, gas, electricity, etc., and after which a series of stops and frames (4) is fitted into the mold, making way for the windows and doors and finally the necessary boxes are placed into position as required for establishing the light switches, current plugs, etc. (5) and later the remaining spaces are filled with concrete (6) which, once set, conglomerates all the elements into a single block suitable for being transported to the worksite. Once unmolded, the internal faces of the block (7) are touched up and, optionally, the interiors may be complemented with fitted cupboards, sanitary material, etc. (8) according to the final status of the object, after which the block is taken to its place of installation (9) where it is joined the whole, being solidified therewith wither by concrete or by welding, after which it is connected to the general distribution networks (11) and finally complemented with all its details (12).



The object of the present invention, as expressed in the title of this descriptive report, consists in a PROCEDURE FOR THE EXECUTION OF ALL KINDS OF CONSTRUCTIONS.

To date, the construction of buildings has been based principally on two well known techniques; first that of the construction with bricklaying, constructing a structure that will later be complemented with the remainder of component elements, and second, the prefabricated construction type in which the elements used are already preassembled in other facilities in such a way that, upon reaching the worksite, they only have to be assembled correctly.

Both construction systems represent an excessively lengthy work time being involved and, on the other hand, there is always a second problem, which consists in the misadjustments being produced between the initial budget for the work and the final cost thereof, since both systems are subject to the individual incidents that could occur in the process thereof.

Indeed, in many cases, due to a lack of fixed standards for the materials themselves or to poor coordination with the suppliers, delays or incompatibilities may arise which represent an important increase in the time and money that had been estimated in the beginning.

The new procedure represent a great advancement in the field of construction upon its proving to be an extremely rapid and effective means of construction which allows the development of all types of premises or homes as from modular compartments or habitats which can be piled up, which are prefabricated in their entirety, and in which all types of the necessary complements such as pipes for the supplies of water, gas, drains, electricity facilities and even air conditioning and heating etc., have already been installed, with those complements always being in function with the final use that it is wished to give to the space: homes, offices, storage rooms, prisons, etc.

Each habitat is configured as a single block with a metal frame that is covered in concrete or other material of similar characteristics, in which the vertical walls are suitably laid out as well as a horizontal wall which can either represent the ceiling or the floor, forming a single part made in a single process.

These habitats are set out linearly adjacent to each other, forming several superimposed layers corresponding to a building of the same floors, which are then linked to each other through welding or concrete, after which the building will be totally conformed, with only the finishing retouches being required.

The particularity or novelty of this construction system consists in the procedure used for manufacturing these habitats, since these elements are conformed by two or more vertical walls, plus a horizontal one which is laid out in the form of a ceiling or floor as may be convenient.

For the preparation of these habitats, a system of molds of any type is used, conic, retractile or of plastic material.

Within the mold a metal mesh or frame is placed as well as the different channels that are required for the home or premises, such as those for water, electricity, telephone, and even heating or cooling. In the same way, within this assembly suitable stops are fitted to give way for the doors and windows, the boxes for the different electric switches and distribution boxes, etc., after which the remaining space is filled with concrete which, once set, will conform a single block will all the channels required for the home equipped in the interior.

This novel type of construction allows saving a third of the time involved in work, at the same time reducing the costs since the modules are fully completed in advance and, at the worksite, only have to be assembled in such a way that it is merely necessary to connect the modules to each other in order to achieve the desired building. On the other hand the possibility of there being any misadjustments in the estimates is eliminated completely since the price of each habitat and the time required for installing it can be determined with total accuracy, all of which is due to its modular nature thereof which means that when the module is incorporated into the whole of the building, this then becomes totally completed requiring only the final touches of painting, plumbing and electricity.

With the purpose of illustrating what to here has been put forth, accompanied to the present descriptive report and forming an integral part thereof, is a sheet of drawings in which a diagram of blocks corresponding to the novel process has been represented.

The novel procedure consists in the preparation of a single block piece that corresponds to a modular unit or habitat, including all its components and services, formed by not less than two vertical walls and a horizontal one as a ceiling or floor indistinctly.

First, a mold of any type (1) is made, in the interior of which a metal inside which a metal frame (2) is fitted and, joined to this, is an entire internal network of distribution pipes for water, gas, electricity, etc. (3), and after a series of stops and frames (4) is fitted into the mold, making way for the windows and doors and finally the necessary boxes are fitted into position as required for establishing the light switches, current plugs, etc. (5) Later, the remaining spaces are filled with concrete (6) which, once set, conglomerates all the elements into a single block suitable for being transported to the worksite. Once unmolded, the internal faces of the block (7) are touched up and, optionally, the interiors may be complemented with fitted cupboards, sanitary material, etc. (8) according to the final status of the object, after which the block is taken to its place of installation (9) where it is joined to the whole, being solidified therewith either by con-

crete or by welding, after which it is connected to the general distribution networks (11) and finally complemented with all its details (12).

Evidently this system guarantees greater celerity in the construction of buildings since the finished habitats pass over to becoming the construction units and therefore, being made in a continuous manner, there is always a deposit of parts in stock which can be supplied immediately.

Once the description has been made concerning the report that precedes, it is essential to insist that the details for putting this idea into practice as put forth may undergo certain small alterations although at all times based on the fundamental principles of the idea which are, in essence, those as reflected in the paragraphs of the description put forth.

Indeed, the present Patent Law establishes that changes of the form, dimension, proportion and materials of an object already patented are not apt for being patented, with the legislator's criterion establishing this in the sense that, once an idea has been patented and giving rise to a practical reality suitable for industrialization, then nobody may base himself thereon under the pretext of having introduced any slight modifications and presenting it as new and of his own.

Once having established the concept expressed, we put forth hereinafter a list of claims, synthesizing the novelties for which the claim is made:

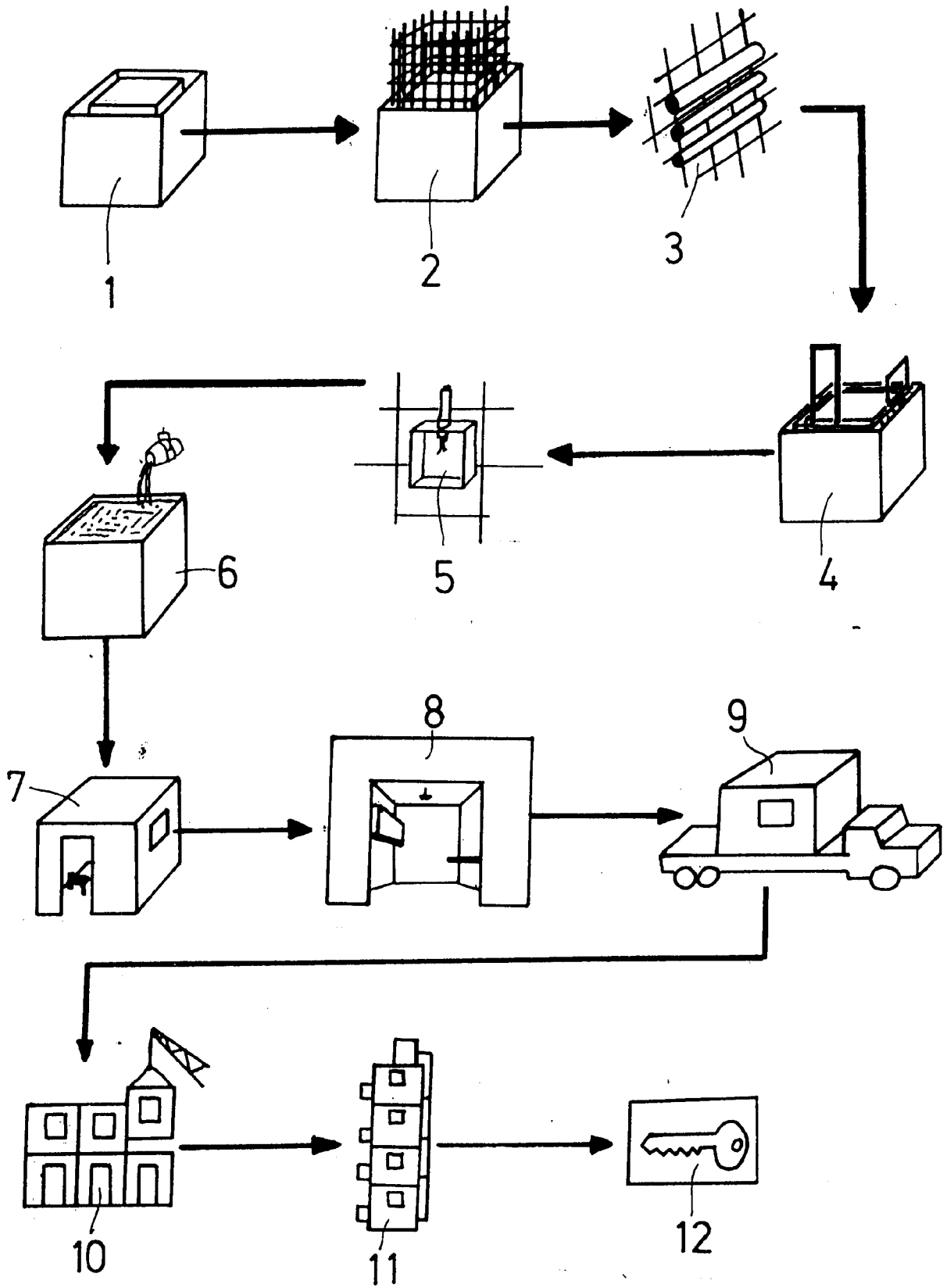
NOTE

In summary, the privilege of exclusive exploitation being applied for herewith is based on the following claims :

Claims

1st: "PROCEDURE FOR THE EXECUTION OF ALL KINDS OF CONSTRUCTIONS" characterized essentially because first of all a mold (1) of any type is prepared inside which a metal frame (2) is fitted and, joined to this, is an entire internal network of distribution pipes for water, gas, electricity, etc., and after which a series of stops and frames (4) is fitted into the mold, making way for the windows and doors, and finally the necessary boxes are placed into position as required for establishing the light switches, current plugs, etc. (5) and later the remaining spaces are filled with concrete (6) which, once set, conglomerates all the elements into a single block suitable for being transported to the worksite. Once unmolded, the internal faces of the block (7) are touched up and, optionally, the interiors may be complemented with fitted cupboards, sanitary material, etc. (8) according to the final status of the object, after which the block is taken to its place of installation (9) where it is joined

to the whole, either being solidified therewith by concrete or by welding, after which it is connected to the general distribution networks (11,) and finally complemented with all its details (12).





European Patent
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EUROPEAN SEARCH REPORT

Application Number

EP 92 50 0002

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.5)
A	US-A-4 042 659 (ALDEN JOSEPH BOTTING ET AL.) * column 2, line 32 - line 51 * * column 4, line 19 - line 37 * * column 5, line 46 - column 6, line 4; figures 1-4, 7 * ---	1	B28B7/22 E04B1/16
A	US-A-3 751 864 (HORST BERGER ET AL.) * column 6, line 58 - column 7, line 51; figures 1, 3 * ---	1	
A	US-A-4 372 906 (JAIME L. DEL VALLE) * column 3, line 62 - column 4, line 65 * * column 6, line 22 - column 7, line 12 * * column 8, line 19 - column 10, line 2; figures 1-10 * -----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			B28B E04B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 31 JULY 1992	Examiner BARBAS A,
<p>CATEGORY OF CITED DOCUMENTS</p> <p>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</p> <p>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</p>			

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