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(54) **System of prefabricated tunnel and portal elements and accessories made of structural light concrete for the total erection of 1 to 8 storey buildings for any use**

(57) The prefabricated "tunnel-shaped" parallelepiped element - which is the main element of the system - and its accessories allow buildings for any type of housing to be erected in a relatively brief time. The elements are made of structural light concrete.

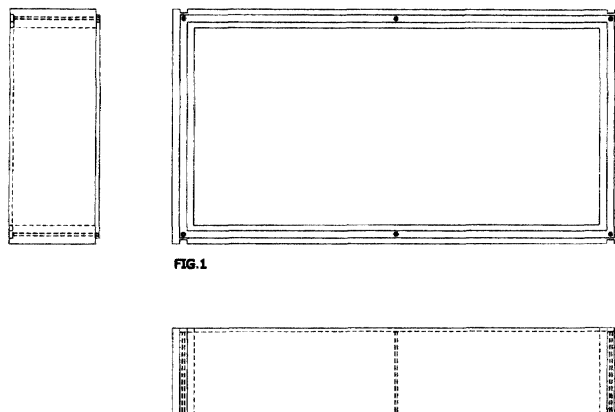
The main characteristic of this element is that of giving already defined rooms by combining more than one consecutive element. In fact, in these elements partition walls and outside walls are already laid out with door openings. They have groove-and-tongue dap joints and holes both at the four corners and at the center of the floor slabs section.

These holes are obtained by using iron pipes for the passing of the steel tie rods required during assembly - to be made according to special rules - to consolidate the elements that will compose the building.

The tunnel elements have two slabs, floor and ceiling. Portal elements are used for additional storeys.

To build single-storey buildings we can use either tunnel elements if a terrace roof covering is required or elements with double-pitch roof covering if a roof-type covering is required.

For the last storey in buildings having more than one storey with sloping-pitch roof-covering, we can use the portal elements with double-pitch roof covering.





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EUROPEAN SEARCH REPORT

Application Number
EP 00 83 0420

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The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11 June 2001	Examiner Porwoll, H
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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EUROPEAN SEARCH REPORT

Application Number
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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
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 83 0420

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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