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(54) **Apparatus for rigidly securing together prefabricated floor-support beams and prefabricated pillars**

(57) An apparatus for rigidly securing together prefabricated floor-support beams and prefabricated pillars for the construction of multi-level reinforced-concrete framework structures is described, these being suitable for multi-functional use and being able to withstand major overloads, including those of seismic origin. The apparatus comprises single-piece side pillars (1) and middle pillars (1') of predefined height which, at each floor level, have integral therewith enlarged zones with lateral projections (101,101') which perform the function of a corbel and which have, embedded in them, at the time of prefabrication, metal inserts (A) which act as a support and system for immediate mechanical engagement with corresponding metal inserts (B) which are provided, again at the time of prefabrication, on the ends of the prefabricated beams (10), all of which so that, immediately after arrangement in position, the said beams are prevented from performing undesirable horizontal movements, without the use of bracing members.

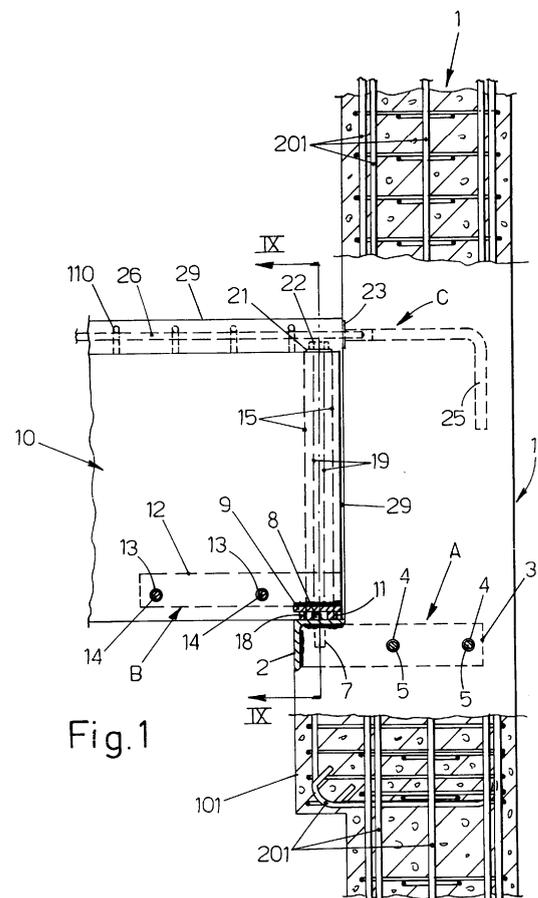


Fig.1

**EP 1 905 909 A3**



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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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A	* column 13, lines 51-57; figures 29,30 * * column 18, line 44 - column 19, line 54 *	2-16	
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The present search report has been drawn up for all claims			E04B
Place of search Munich		Date of completion of the search 29 February 2008	Examiner Rosborough, John
CATEGORY OF CITED DOCUMENTS		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	
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			

3  
EPC FORM 1503 03.82 (P04C01)

**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. The members are as contained in the European Patent Office EDP file on  
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29-02-2008

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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82