Title (en)
Apparatus for rigidly securing together prefabricated floor-support beams and prefabricated pillars

Title (de)
Vorrichtung zum festen Zusammenfügen von Fertigträgern und Fertigpfeilern

Title (fr)
Appareil pour fixer ensemble rigidement des poutres support de plancher préfabriquées et piliers préfabriqués

Publication
EP 1905909 A3 20080409 (EN)

Application
EP 07116594 A 20070917

Priority
IT BO20060649 A 20060921

Abstract (en)
[origin: EP1905909A2] 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.

IPC 8 full level
E04B 1/21 (2006.01)

CPC (source: EP)
E04B 1/215 (2013.01); E04C 5/16 (2013.01)

Citation (search report)
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1905909 A2 20080402; EP 1905909 A3 20080409; EP 1905909 B1 20110511; AT E509166 T1 20110515; IT BO20060649 A1 20080322

DOCDB simple family (application)
EP 07116594 A 20070917; AT 07116594 T 20070917; IT BO20060649 A 20060921