

Title (en)

Device for interconnecting the pillars to the beams in prefabricated multistore buildings.

Title (de)

Vorrichtung zum Verbinden der Säulen an den Balken in mehrstöckigen Gebäuden.

Title (fr)

Dispositif pour raccorder les poteaux aux poutres dans des bâtiments de plusieurs niveaux.

Publication

EP 0384296 A1 19900829 (EN)

Application

EP 90102953 A 19900215

Priority

IT 1243189 A 19890224

Abstract (en)

At intermediate knots (4) of a pre-fabricated pillar (1) there are incorporated one or more bundles of metal pipes (6) which protrude from at least two opposite faces of said pillar and which are connected both mechanically and circuitally by an intermediate metallic box-type body (9), also incorporated in the pillar. Inserted through said pipes (6) are either the main or complementary reinforcement rods (10) of the flooring beams or panels abutting the pillar, so that said reinforcement rods (10) may have a structural continuity similarly to the reinforcement rods in said pillar at said knots. The reinforcement rods (10) are fixed and centered axially within said pipes (6) by means of conical and composite plugs (11) pressure-fitted in the ends of said pipes. The protruding portions of said pipes (6) are provided with vent holes (7) where through expanding mortar may be injected into said pipes and, upon setting, it firmly secured the reinforcing rods (10) to the device of the invention.

IPC 1-7

E04B 1/21

IPC 8 full level

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CPC (source: EP)

E04B 1/215 (2013.01); **E04C 5/165** (2013.01)

Citation (search report)

- [A] US 2616284 A 19521104 - VALERIAN LEONTOVICH
- [A] GB 1400595 A 19750716 - DOWSETT ENG AUSTRALIA PTY LTD

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CN111395378A; KR100980618B1

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