

Title (en)
MULTI-PURPOSE PRECAST CONCRETE PANELS, AND METHODS OF CONSTRUCTING CONCRETE STRUCTURES EMPLOYING THE SAME

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Application
EP 81901849 A 19810601

Priority
US 8100727 W 19810601

Abstract (en)
[origin: WO8204273A1] A concrete structure is erected by prefabricating a plurality of comparatively massive like-constructed substantially concrete slabs (S) each of which has an elongated rectangular opening (20) therein and a plurality of bores (22), (24), (25) extending therethrough, transporting the prefabricated concrete slabs (S) from a fabrication location to a building location, digging a ground foundation trench (12) at the building location, successively placing the plurality of prefabricated concrete slabs (S), one-by-one, in substantially vertical orientation into said trench (12) with the respective rectangular openings (20) of said slabs all being located below grade in said trench (12), passing comparatively rigid elements (23), (15) through the bores (22), (24), (25) in adjacent ones of said slabs (S) to align said slabs (S) with one another and to mechanically fasten them to one another, and thereafter anchoring the slabs in place by pouring or pumping a flowable anchoring material such as wet concrete (17) into the trench (12) to fill the trench and to pass from one side to the other of each of said slabs (S) through the elongated rectangular opening (20) in each slab. Preferred slab configurations are disclosed, as well as typical concrete structures which can be assembled by use of such slabs.

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