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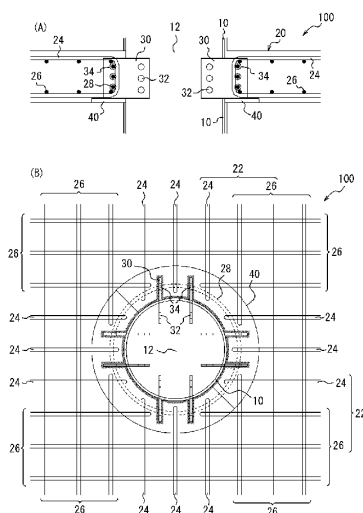
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(54) Title: CONNECTION OF CONCRETE-FILLED STEEL TUBE COLUMN AND REINFORCED CONCRETE SLAB

FIG. 1



(57) Abstract: Disclosed is a connection of a CFT column and an RC slab that can resist larger vertical loads imposed on the RC slab. A connection of a steel tube column 10 infilled with concrete 12 and an RC slab 20 is provided. A plurality of ribs 30 are connected to the steel tube column 10 through slits 14 provided in the steel tube column 10, such that the largest planes of the ribs coincide with a substantially vertical plane. Each of the ribs 30 has two parts, one part being located inside the steel tube column 10 and the other part being located inside the RC slab 20. A bearing steel plate 40 is connected to the outer circumferential surface of the steel tube column 10 and to the lower ends of the ribs 30, such that the largest plane of the bearing steel plate coincides with a substantially horizontal plane. The RC slab 20 is mounted on the bearing steel plate 40. Each of the ribs 30 has at least one first through-hole 32 in the one part located inside the steel tube column 10.

WO 2020/235568 A1

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