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(54) Title: REINFORCED CONCRETE PILE, PILE ASSEMBLY, METHOD OF JOINING THE PILES' HEAT TRANSFER PIPES TO EACH OTHER, AND METHOD OF FABRICATING A REINFORCED CONCRETE PILE

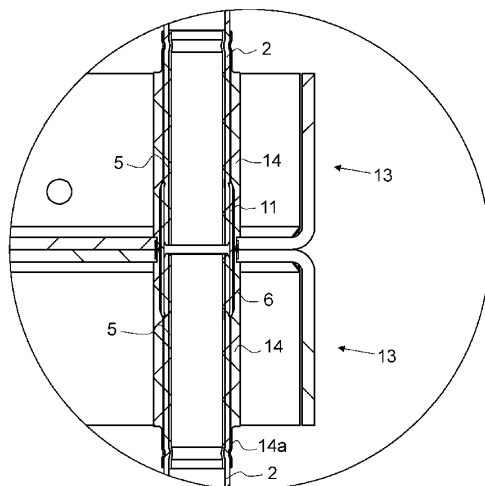


FIG. 5

(57) Abstract: A reinforced concrete pile (1, 1') comprises a heat transfer pipe (2, 3) and at least one of the pile's (1, 1') ends constitutes a splicing end by which the pile (1, 1') is connectible to another pile (1, 1') for obtaining a pile assembly and, at the splicing end, the heat transfer pipe (2, 3) is adapted to be joined with the other pile's (1, 1') respective heat transfer pipe (2, 3). The pile's (1, 1') splicing end is provided with a positioner sleeve (14), which surrounds the heat transfer pipe's (2, 3) end in such a way that between the heat transfer pipe (2, 3) and the positioner sleeve (14) develops an annular space (6) for receiving a sealing sleeve (11), which is made at least partially from a plastically deformable material and extends outward from the pile's splicing end, and the positioner sleeve's (14) end, which is located further away from the pile's (1, 1') splicing end, is designed to have its inner diameter decreasing towards the discussed end in such a way that, in the process of connecting two piles (1, 1') to each other and hammering the upper pile (1') towards the lower pile (1), the sealing sleeve (11), disposed in the annular space (6) has its end, within the positioner sleeve's (14) decreasing inner diameter zone, deforming plastically, sealing against the heat transfer pipe's (2, 3) external surface.

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