

ABSTRACT

JOINT MECHANISM AND CONNECTION METHOD FOR STEEL PIPE

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Contemplated are simplification and cost reduction in arrangement of connecting a pair of steel pipes to each other. A joint mechanism for a pair of steel pipe piles 1A, 1B includes an inner joint 10A provided in the steel pipe pile 1A, an inner joint 10B, an outer joint 20 disposed circumferentially between and across the inner joint 10A of the steel pipe pile 1A and the inner joint 10B of the steel pipe pile 1B, and a key member 30 configured to prevent relative movement between the pair of steel pipe piles 1A, 1B in a longitudinal direction of these steel pipes 1.

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15 The outer joint 20 includes an opening portion 22 (22A, 22B) for inserting, from its outer circumferential face, split key members 31 constituting the key member 30 into a key groove constituted of an outward circumferential groove 13 (13A, 13B) provided in the outer circumference of the inner joint 10A and the inner joint 10B respectively and an inward circumferential groove 23 (23A, 23B) provided in the inner circumference of the outer joint 20 in opposition to the outward circumferential groove 13 (13A, 13B).

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[Fig. 1]