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ABSTRACT



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Pipes (2, 3) made of a difficult-to-weld material to be used at a high temperature are internally (3a) and externally (2a) threaded at their end portions, and are thread-fastened to each other. The inner and/or outer faces of the jointed pipe portion (1) is sealed by seal means (7, 9), so that the pipes (2, 3) made of difficult-to-weld material to be used at a high temperature are joined by the screw structure, thereby to retain mechanical strength of the jointed pipe portion (1). At the same time, the inner and/or outer faces of the jointed pipe portion (1) is sealed by the seal means (7, 9) to retain the gas tightness of the jointed pipe portion (1).