

Title (en)

System and method for connecting two relatively movable assemblies, especially in underwater installations

Title (de)

System und Verfahren zur Verbindung von zwei relativ zueinander beweglichen Einheiten, insbesondere in Unterwasseranlagen

Title (fr)

Système et procédé de raccordement entre deux ensembles mobiles l'un par rapport à l'autre, notamment dans des installations sous-marines

Publication

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Application

EP 98400887 A 19980410

Priority

FR 9706314 A 19970523

Abstract (en)

[origin: EP0879934A1] The system connects a first (2) and a second (3) mobile assembly to each other, e.g. a remotely operated robot with a propulsion and one or two traction cables (20). This part is at least partially contained in a receiver. The remotely operated robot also has a front chassis (22) which pivots about an axis and contains the fixing to the mobile assembly. The pivoting of the front chassis is controlled so during the displacement of the mobile assembly towards the fixed assembly, the robot is kept horizontal. Procedure for connecting one end (4) of a mobile pipe to one end (2a) of a fixed pipe (2) fixed to a fixed structure (1), using a system as described above and mounting the receiver on the fixed structure. Screwing devices are fixed on the back platform of the receiver. The end of the mobile pipe is moved towards the fixed end of the fixed pipe until the guides and centring devices match the guides in the receiver. The two pipes are aligned along the same axis. The mobile pipe is axially displaced until it is in the right position for connection between a seal on each end. Operating devices purge the fluid from the seal, and the two ends of the pipe are then screwed into their final connected position.

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