Abstract

JOINT MADE OF SHAPE MEMORY ALLOY AND USES THEREOF

The present invention refers to a connection for connecting hydraulic tubing as used by subsea devices, by using a shaped memory alloy material. The sleeve connection made of a shaped memory alloy material (1), originally manufactured with an internal diameter (D1) shorter than the external diameter (D4) of the tubing, internally having a cover material made of dielectric material (2) and, most internally, a layer of an anti-corrosive material (3) which is contiguous to the external face of said tubing (4), said layer of an anti-corrosive material (3) internally having protruding portions (5) designed to grasp the external surface of the tubing (4), forming streaks (6).

Figure 1