

COUPLING, JOINT AND METHOD FOR FIXEDLY AND SEALINGLY SECURING COMPONENTS TO ONE ANOTHER

ABSTRACT OF THE DISCLOSURE

A method for forming a joint, the method including: providing a fitting having a body and a pair of axially spaced apart seals, the body having an insertion end; providing a structure; engaging the fitting and the structure to one another such that the seals sealingly engage the body and the structure; and after the fitting and the structure have been engaged to one another, installing an adhesive to a zone disposed between the body, the structure and the seals to retain the body to the structure. A fitting and an assembly are also provided. The fluid conduit assembly having a fitting assembly and a pair of hollow structures that are received into a body of the fitting assembly. The fitting assembly includes a body and two sets of seals that are engaged to the body and to an associated one of the hollow structures. An adhesive is employed to fixedly or fixedly and sealingly couple the hollow structures to the body. The body is configured to space the hollow structures apart from one another to tailor the rate at which heat is introduced to the portion of the body of the fitting between the two sets of seals to reduce thermally induced shear stress acting on the adhesive. A method for forming a fluid conduit assembly is also provided.

Figure 1