

Title (en)

Method and apparatus for connecting a tube to a flange.

Title (de)

Verfahren und Vorrichtung zum Verbinden eines Rohres mit einem Flansch.

Title (fr)

Procédé et appareil pour l'assemblage d'un tube à un collet.

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Application

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Priority

US 8000642 W 19800527

Abstract (en)

A method and apparatus for connecting a tube [12] to a flange [120] is disclosed including placing the tube between first and second portions [14, 16] of a holding apparatus [10], closing the portions and gripping the tube securely between the portions by operation of a first powered actuator [24], positioning a force-transmitting apparatus [20] including a punch [22] into axial alignment with the tube and the flange, and forcing the punch axially into the tube and expanding the tube radially outwardly into interlocking engagement with the flange by operation of a second powered actuator [26] of the force-transmitting apparatus. The portions [14, 16] are preferably pivotally closed to securely grip the tube, and the force-transmitting apparatus [20] is preferably an integrated part of a computer controlled industrial robot [32].

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