

Title (en)
SPIN WELDED FLUID CONNECTOR USING PLASTIC COATED METAL TUBE

Title (de)
ROTATIONSGESCHWEISSTER FLUIDVERBINDER MIT EINEM KUNSTSTOFFUMMANTELTEN METALLROHR

Title (fr)
RACCORD HYDRAULIQUE SOUDE PAR ROTATION UTILISANT UN TUBE METALLIQUE ENDUIT DE PLASTIQUE

Publication
EP 1299671 A2 20030409 (EN)

Application
EP 01950809 A 20010629

Priority
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• US 60729600 A 20000630

Abstract (en)
[origin: WO0202978A2] A joint between a fluid connector body and a metal tube carrying a plastic outer layer is formed by spin welding, wherein the portion of the connector body which is configured to receive the tube defines an end surface which engages the outer plastic surface of the mating tube to create a circumferentially continuous seal between the fluid passageway in the connector body and the outside environment. A radially inward extending flange in the connector body extends into the interior passage at a position spaced from an end opening in the connector body which receives the metal tube. The flange acts as an insertion limiter for the metal tube.
[origin: WO0202978A2] A joint between a fluid connector body (42) and a metal tube (46) carrying a plastic outer layer is formed by spin welding, wherein the portion of the connector body which is configured to receive the tube defines an end surface which engages the outer plastic surface of the mating tube to create a circumferentially continuous seal between the fluid passageway in the connector body and the outside environment. A radially inward extending flange (76) in the connector body extends into the interior passage at a position spaced from an end opening in the connector body which receives the metal tube. The flange acts as an insertion limiter for the metal tube.

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IPC 8 full level
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