

Title (en)  
COILED TUBING CONNECTOR

Title (de)  
GEWICKELTER ROHRVERBINDER

Title (fr)  
CONNECTEUR DE TUBES DE PRODUCTION SPIRALES

Publication  
**EP 1303720 A2 20030423 (EN)**

Application  
**EP 01922390 A 20010314**

Priority  
• US 0108172 W 20010314  
• US 53468500 A 20000324

Abstract (en)  
[origin: WO0173331A2] A coiled tubing connector includes a male and female housing. A rotating ring having threads is disposed on the male housing. When the male housing is joined to the female housing, the threads of the rotating ring threadingly engage threads disposed on the internal circumference of the female housing. The male housing also includes splines which align with grooves on the female housing. Situated on both the male and female housing are electrical contacts which themselves engage when the housings are joined. The electrical contacts are connected to wires embedded in the composite tubing so that electrical power or data signals from one length of composite tubing can pass through the connector to another length of coiled tubing. The ends of the composite tubing are affixed to both the male and female housings through a compression fitting.  
[origin: WO0173331A2] A coiled tubing connector includes a male (20) and female housing (40). A rotating ring (27) having threads (31) is disposed on the male housing. When the male housing is joined to the female housing, the threads of the rotating ring threadingly engage threads (41) disposed on the internal circumference of the female housing. The male housing also includes splines (28) which align with grooves (48) on the female housing. Situated on both the male and female housing are electrical contacts (50, 60) which themselves engage when the housings are joined. The electrical contacts are connected to wires embedded in the composite tubing (12, 14) so that electrical power or data signals from one length of composite tubing can pass through the connector to another length of coiled tubing. The ends of the composite tubing are affixed to both the male and female housings through a compression fitting.

IPC 1-7  
**E21B 17/042**; **E21B 17/02**

IPC 8 full level  
**E21B 17/02** (2006.01); **E21B 17/042** (2006.01); **E21B 17/20** (2006.01); **F16L 11/127** (2006.01); **F16L 25/00** (2006.01)

CPC (source: EP US)  
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