

Title (en)
METHODS AND APPARATUS FOR A SUBSEA TIE BACK

Title (de)
VERFAHREN UND VORRICHTUNG FÜR EINE UNTERWASSER-R CKHALTUNG

Title (fr)
PROCEDES ET DISPOSITIF POUR RACCORDEMENT SOUS-MARIN

Publication
EP 1558834 A1 20050803 (EN)

Application
EP 02807989 A 20021010

Priority
US 0232513 W 20021010

Abstract (en)
[origin: CA2501315A1] A flow assurance system includes an inner pipe (70) disposed within an outer pipe (50) to assure flow through the outer pipe (50). During installation and relative axial movement with the outer pipe (50), the inner pipe (70) is nearly neutrally buoyant or fully neutrally buoyant in the fluids of the outer pipe (50) and may extend partially or completely through the outer pipe (50). The inner pipe (70) may be anchored at one end within the outer pipe (50). The inner pipe (70) is preferably composite coiled tubing that is installed using a propulsion system. The system may allow fluids to flow through the inner pipe (70) and commingle with the fluids in the outer pipe (50) or may flow fluids through the inner pipe (70) to the exterior of the outer pipe (50). Hot fluids may pass through the inner pipe (70) to maintain the temperature of the fluids flowing through the outer pipe (50) and chemicals may flow through the inner pipe (70) to condition the fluids in the outer pipe (50). Tools may be attached to the end of the inner pipe (70) for conducting flow assurance operations within the outer pipe (50).

IPC 1-7
E21B 36/00; **E21B 19/22**

IPC 8 full level
E21B 36/00 (2006.01); **E21B 17/18** (2006.01); **E21B 19/22** (2006.01); **E21B 37/00** (2006.01); **E21B 43/017** (2006.01); **E21B 43/16** (2006.01)

IPC 8 main group level
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