

Title (en)

OPTICAL FIBER EQUIPPED TUBING AND METHODS OF MAKING AND USING

Title (de)

MIT LICHTWELLENLEITER AUSGESTATTETE ROHRLEITUNG UND HERSTELLUNGS- UND VERWENDUNGSVERFAHREN DAFÜR

Title (fr)

COLONNE DE PRODUCTION EQUIPEE DE FIBRES OPTIQUES ET PROCEDES DE FABRICATION ET D'UTILISATION

Publication

**EP 1743081 A1 20070117 (EN)**

Application

**EP 05732292 A 20050422**

Priority

- IB 2005051329 W 20050422
- US 56493404 P 20040423
- US 11123005 A 20050421

Abstract (en)

[origin: WO2005103437A1] The present invention relates to an optical fiber equipped tubing and methods of making and using the same. The optical fiber equipped tubing comprises a fiber optic tube deployed within a tubular, the fiber optic tube having at least one optical fiber disposed within a duct, the duct typically being a metallic metal compatible with wellbore environments. The present invention also relates to a method of making an optical fiber equipped tubing comprising pumping a fluid into a tubular and deploying a fiber optic tube into the tubular by propelling it in the flow of the pumped fluid. The present invention also provides a method of communicating in wellbore using a fiber optic tube disposed within a wellbore tubular. In certain embodiments, this communication may be combined with a wireless communication system at the surface. In certain embodiments, the tubular may be coiled tubing and the fiber optic tube may be deployed in the coiled tubing while the tubing is spooled on a reel or while the tubing is deployed in a wellbore.

IPC 8 full level

**E21B 17/20** (2006.01); **E21B 47/12** (2006.01)

CPC (source: EP US)

**E21B 17/206** (2013.01 - EP US); **E21B 47/135** (2020.05 - EP US)

Citation (search report)

See references of WO 2005103437A1

Cited by

ES2826623A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2005103437 A1 20051103**; AT E471434 T1 20100715; BR PI0509995 A 20071016; BR PI0509995 B1 20170131; CA 2562019 A1 20051103; CA 2562019 C 20160216; DE 602005021874 D1 20100729; DK 1743081 T3 20101018; EA 010141 B1 20080630; EA 200601962 A1 20070227; EP 1743081 A1 20070117; EP 1743081 B1 20100616; JP 2007534862 A 20071129; JP 4712797 B2 20110629; MX PA06011981 A 20070125; NO 20065263 L 20061115; NO 335257 B1 20141027; US 2005236161 A1 20051027

DOCDB simple family (application)

**IB 2005051329 W 20050422**; AT 05732292 T 20050422; BR PI0509995 A 20050422; CA 2562019 A 20050422; DE 602005021874 T 20050422; DK 05732292 T 20050422; EA 200601962 A 20050422; EP 05732292 A 20050422; JP 2007509053 A 20050422; MX PA06011981 A 20050422; NO 20065263 A 20061115; US 11123005 A 20050421