

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

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Application

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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.

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