

Title (en)

DRILL STRING ADAPTER AND METHOD FOR INGROUND SIGNAL COUPLING

Title (de)

BOHRSTRANGADAPTER UND VERFAHREN FÜR UNTERIRDISCHE SIGNALKOPPLUNG

Title (fr)

ADAPTATEUR POUR TRAIN DE TIGES ET PROCÉDÉ DE COUPLAGE DE SIGNAL SOUS TERRE

Publication

**EP 2678516 A2 20140101 (EN)**

Application

**EP 12748918 A 20120208**

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Abstract (en)

[origin: WO2012115778A2] A coupling adapter is insertable in at least one joint of a drill string as the drill string is extended from a drill rig. The coupling adapter includes an arrangement for receiving a data signal that is generated by an inground tool and for electromagnetically coupling the data signal onto at least a portion of the drill string that extends from the adapter to the drill rig such that at least some of the drill pipe sections cooperate as an electrical conductor for carrying the data signal to the drill rig. In another feature, a current transformer is resiliently supported to isolate the current transformer from mechanical shock and vibration that is produced by an inground operation that is performed using the drill string. In another feature, a drill string repeater is described.

IPC 8 full level

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