

Title (en)

A system for the acoustic propagation of data along a borehole drilling string.

Title (de)

System zur akustischen Datenweiterleitung entlang einem Bohrloch-Gestängestrang.

Title (fr)

Système pour la propagation acoustique de données le long d'une tige de forage dans un puits de forage.

Publication

**EP 0033192 A1 19810805 (EN)**

Application

**EP 81300068 A 19810108**

Priority

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- US 11403980 A 19800121
- US 11404080 A 19800121

Abstract (en)

A preferred system has a piezoelectric transducer (67a) disposed in a bore (64a) in a cylinder (63) forming part of a down-well transmitter unit (37). The transducer (67a) operates in the relatively low loss acoustic propagation range of the well drilling string (35). The efficiently coupled transmitting transducer (67a) incorporates a mass-spring-piezoelectric transmitter combination permitting a resonant operation in the desired low frequency range.

IPC 1-7

**G08C 23/00**; G01V 3/34; E21B 47/12

IPC 8 full level

**E21B 47/16** (2006.01)

CPC (source: EP)

**E21B 47/16** (2013.01)

Citation (search report)

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- US 4139836 A 19790213 - CHANEY PRESTON E, et al
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