

Title (en)

Means for transmitting informations inside the drilling string of a drilling apparatus

Title (de)

Vorrichtung zum Übertragen von Informationen innerhalb eines Bohrrohrstranges einer Bohrvorrichtung mittels Druckimpulsen in einer strömenden Flüssigkeit, insbesondere Bohrspülflüssigkeit

Title (fr)

Dispositif pour la transmission d'information dans le revêtement du trou de forage

Publication

EP 0792999 B1 20020123 (DE)

Application

EP 97103081 A 19970226

Priority

DE 19607402 A 19960228

Abstract (en)

[origin: US5806612A] In a drill string pressure pulses are generated by expansion and constriction of an elastic body to transmit information along the drill string.

IPC 1-7

E21B 47/00

IPC 8 full level

E21B 47/00 (2006.01); **E21B 47/18** (2012.01)

CPC (source: EP US)

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Cited by

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Designated contracting state (EPC)

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US 5806612 A 19980915; AT E212416 T1 20020215; DE 19607402 C1 19970710; DE 59706148 D1 20020314; EP 0792999 A2 19970903; EP 0792999 A3 19980401; EP 0792999 B1 20020123

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US 80540897 A 19970224; AT 97103081 T 19970226; DE 19607402 A 19960228; DE 59706148 T 19970226; EP 97103081 A 19970226