

Title (en)
Boring ram with path control

Title (de)
Rammbohrgerät mit Laufüberwachung

Title (fr)
Mouton de forage avec surveillance de trajectoire

Publication
EP 0846834 A3 19990804 (DE)

Application
EP 97120987 A 19971128

Priority
DE 19650271 A 19961204

Abstract (en)
[origin: EP0846834A2] The impact driven borer has a reciprocating piston (3) which forces the head (2) of the borer through the ground. The borer is connected to a supply line via a flexible joint which has a ring shaped space for a transmitter (11) for locating the head and steering the borer. The ring shaped space is under a gap between the back of the borer housing and the front of the sheath protecting the supply line. The transmitter is embedded in plastics or silicone rubber. The transmitter components are arranged side by side in the cylindrical space to minimise axial length.

IPC 1-7
E21B 4/14; **E21B 47/01**

IPC 8 full level
E21B 4/14 (2006.01); **E21B 47/01** (2012.01)

CPC (source: EP US)
E21B 4/145 (2013.01 - EP US); **E21B 47/017** (2020.05 - EP US)

Citation (search report)

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- [A] EP 0357314 A2 19900307 - BRITISH GAS PLC [GB]
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Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 97120987 A 19971128; CA 2223311 A 19971202; DE 19650271 A 19961204; US 98233097 A 19971202