

Title (en)
BORING RAM

Publication
EP 0377153 A3 19910116 (DE)

Application
EP 89123180 A 19891214

Priority
DE 3900122 A 19890104

Abstract (en)
[origin: EP0377153A2] In a self-driven boring ram (1) with a tubular housing (2), a percussion tip (5) and a transmitter (9; 11) for monitoring the running direction, the directional stability can be improved in a simple manner by the boring ram being provided with a transmitter (9; 11) arranged at the front as far as possible in the driving direction (7). <IMAGE>

IPC 1-7
E21B 7/26; **E21B 47/022**; **E21B 47/12**; **E21B 7/06**

IPC 8 full level
E21B 11/02 (2006.01); **E21B 7/06** (2006.01); **E21B 7/26** (2006.01); **E21B 47/022** (2012.01); **E21B 47/12** (2012.01); **F16L 1/024** (2006.01)

CPC (source: EP US)
E21B 4/145 (2013.01 - EP); **E21B 7/068** (2013.01 - EP); **E21B 7/267** (2020.05 - EP US); **E21B 47/0232** (2020.05 - EP);
E21B 47/13 (2020.05 - EP)

Citation (search report)
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• [Y] FR 2336520 A1 19770722 - SCHMIDT PAUL [DE]
• [Y] US 3746106 A 19730717 - MC CULLOUGH L, et al
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Designated contracting state (EPC)
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