

Title (en)
METHOD FOR CONTROLLING A HORIZONTAL DRILLING MACHINE

Title (de)
VERFAHEREN ZUR STEUERUNG EINES HORIZONTALBOHRGERÄTES

Title (fr)
PROCEDE DE COMMANDE D'UN APPAREIL DE FORAGE HORIZONTAL

Publication
EP 1117901 A1 20010725 (DE)

Application
EP 99953710 A 19990831

Priority
• DE 9902797 W 19990831
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Abstract (en)
[origin: US6772134B1] Control apparatus for a horizontal boring tool is described which drives a boring lance via boring rods. The tool includes an input interface for receiving actual values of controlled variables of the horizontal boring tool, and an output unit for issuing control signals for controlling the horizontal boring tool. Between the input interface and the output unit is provided a fuzzy control unit which determines the control signals for activation of the horizontal boring tool from the actual values of the controlled variables and the desired values for the controlled variables by fuzzy logic while taking into account heuristic process values. The control apparatus permits automatic operation of the horizontal boring tool with good course steering and high precision.

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E21B 44/00; **E21B 7/04**

IPC 8 full level
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Citation (search report)
See references of WO 0017487A1

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US 6772134 B1 20040803; AT E255676 T1 20031215; DE 19941197 A1 20000406; DE 19941197 C2 20031204; DE 59907960 D1 20040115; EP 1117901 A1 20010725; EP 1117901 B1 20031203; WO 0017487 A1 20000330

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