

Title (en)

APPARATUS FOR DEFINING THE POSITION OF THE CUTTING HEAD OF A BORING OR MINING MACHINE

Publication

**EP 0105867 B1 19880203 (DE)**

Application

**EP 83890168 A 19830922**

Priority

AT 354882 A 19820923

Abstract (en)

[origin: EP0105867A2] 1. Apparatus for determining the position of the cutting head of a boring or mining machine, characterised by a sensor (8), which is oriented relative to the longitudinal axis of the drift and which may be mounted in a drift a transmitter (6) for transmitting electromagnetic radiation in the wave-length range of 1  $\mu$  m to 10 cm on the cutting head (4) and/or on a cutting arm (3), and a telemeter for determining the distance (r) of at least one reference point on the cutting head (4) and/or cutting arm from the sensor (8), and preferably an indicator (12) for indicating the position of the cutting head (4) relative to a required profile (14) to be cut.

IPC 1-7

**E21D 9/10; E21F 17/18**

IPC 8 full level

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CPC (source: EP)

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Cited by

CN109538208A; CN102587911A; CN111472841A; DE3806224A1; EA014851B1; CN103314271A; GB2260051A; GB2260051B; US9733081B2; US8469455B2; WO2010012286A1

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