

Title (en)

PARTIAL BORING MACHINE FOR CUTTING TO A PRECISE PROFILE AN ARC-SHAPED LONGITUDINAL CROSS-SECTION

Publication

EP 0199771 B1 19890104 (DE)

Application

EP 85905389 A 19851024

Priority

- DE 3439228 A 19841026
- DE 3519697 A 19850601

Abstract (en)

[origin: WO8602697A1] A partial boring machine (1) for cutting to a precise profile an arc-shaped longitudinal cross-section in mining applications and tunnel construction with cutting wheels which can move in relation to the machine frame, characterized by the fact that, for cutting the upper face (10) with the arc-shaped profile (11), a tap wheel (2) designed as a end-face cutting wheel can be pivoted via carrying arm (4) around a rotary axis (6) which is parallel to the machine axis, and by the fact that for cutting the lower face (12) a lower wheel (3), designed as a double-portioned transverse cutting wheel with level end faces (9) on the thrust side of the roller bodies (8), is capable of being slid along a pre-determined level track parallel to the longitudinal base-plate (17).

IPC 1-7

E21D 9/10

IPC 8 full level

E21D 9/10 (2006.01)

CPC (source: EP US)

E21D 9/1033 (2013.01 - EP US)

Citation (examination)

- DE 2501761 A1 19760722 - HARTMANN & LAEMMLE KG
- DE 2714550 A1 19781005 - VDO SCHINDLING
- GB 2050627 A 19810107 - RANSOME HOFFMANN POLLARD

Designated contracting state (EPC)

BE DE FR GB

DOCDB simple family (publication)

WO 8602697 A1 19860509; AU 5018985 A 19860515; AU 589147 B2 19891005; DE 3519697 A1 19860507; DE 3519697 C2 19880519; DE 3567241 D1 19890209; EP 0199771 A1 19861105; EP 0199771 B1 19890104; SU 1531865 A3 19891223; US 4749194 A 19880607

DOCDB simple family (application)

DE 8500412 W 19851024; AU 5018985 A 19851024; DE 3519697 A 19850601; DE 3567241 T 19851024; EP 85905389 A 19851024; SU 4027685 A 19860620; US 88709186 A 19860623