

Title (en)
DRIVING SHIELD

Title (de)
VORTRIEBSSCHILD

Title (fr)
BOUCLIER

Publication
EP 0772730 A1 19970514 (DE)

Application
EP 95924854 A 19950712

Priority
• DE 9500909 W 19950712
• DE 4426497 A 19940727

Abstract (en)
[origin: WO9603570A1] The shield driving machine (100) is therefore fitted with a working chamber (21) to which pressure can be applied by means of a fluid medium and which is sealed against the rear unpressurised section (4) by at least one access lock (27). The working chamber (21) has a downwardly directed aperture (25) which communicates with the mining chamber (3) through which the staff in the working chamber (21) can perform work in the mining chamber while being protected against a local face collapse. The rock-loosening mining arm (10) of the shield driving machine can be pivoted away from the centre about at least one swinging axis on a circular bearing plate (8) which is fitted to rotate about the central axis (M) of the shield driving machine, which is thus also suitable for drilling larger diameters.

IPC 1-7
E21D 9/08

IPC 8 full level
E21D 9/06 (2006.01); **E21D 9/08** (2006.01)

CPC (source: EP)
E21D 9/065 (2016.01); **E21D 9/0875** (2016.01)

Citation (search report)
See references of WO 9603570A1

Designated contracting state (EPC)
AT BE CH DE FR IT LI NL

DOCDB simple family (publication)
WO 9603570 A1 19960208; AT E174657 T1 19990115; DE 4426497 A1 19960201; DE 4426497 C2 19961212; DE 59504576 D1 19990128; EP 0772730 A1 19970514; EP 0772730 B1 19981216; JP 2925744 B2 19990728; JP H09508188 A 19970819

DOCDB simple family (application)
DE 9500909 W 19950712; AT 95924854 T 19950712; DE 4426497 A 19940727; DE 59504576 T 19950712; EP 95924854 A 19950712; JP 50535096 A 19950712