

Title (en)
Whole front face tunneling machine

Title (de)
Vollfrontseiten-Vortriebsmaschine

Title (fr)
Tunnelier à creusement frontal pleine section

Publication
EP 0631032 B1 19990324 (FR)

Application
EP 94401323 A 19940613

Priority
FR 9307145 A 19930614

Abstract (en)
[origin: EP0631032A1] The present invention relates to a directable-shield tunnelling machine, for whole front face tunnelling. This tunnelling machine comprises a substantially cylindrical body (1), a peripheral cutting edge (110) inside which an extracting shield (130) is rotationally mounted, as well as a system (4) for removing debris via the rear end (12) of the body, is characterised in that the shield (130) comprises at least one opening (161-168) emerging in front of a work-face (F) of a gallery (G) to be tunnelled, and capable of being closed by at least one flap (141-148) capable of pivoting about a radial axis of the body (1) under the effect of one or more jacks (5) or the like, each flap being capable of being fitted with extraction tools (14) so that the area of the said opening (161-168) and/or the extraction angle of the tools (14) can be adjusted under the effect of pivoting of the flaps (141-148). The present invention applies to the production of tunnelling machines of various sizes and for various types of galleries or tunnels. <IMAGE>

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