

Title (en)
Driving shield tunneling machine

Title (de)
Schildvortriebsmaschine für den Tunnelbau

Title (fr)
Machine d'avancement de tunnel à bouclier

Publication
EP 1172522 B1 20040317 (DE)

Application
EP 01112302 A 20010519

Priority
DE 10033883 A 20000712

Abstract (en)
[origin: EP1172522A1] The fluid shield for forward tunnel working comprises a shield cover (1), at front end of which is cutting wheel and chamber formed with pressure wall partly filled with support fluid. The chamber is divided by a wall into a front disintegration chamber with the cutting wheel and a rear work chamber, which via a recess aperture formed by the wall in the shield sole area (14) is connected to the disintegration chamber. In the work chamber, the support fluid can be set at a predetermined pressure with the aid of a compressed air cushion and a corresponding control device. The floor material cut away by the cutting wheel, together with support fluid, is fed away via a stone breaker (11) and through a rake (25) by means of a conveyor conduit (12) issuing into the work chamber.

IPC 1-7
E21D 9/08

IPC 8 full level
E21D 9/08 (2006.01); **E21D 9/087** (2006.01); **E21D 9/06** (2006.01)

CPC (source: EP)
E21D 9/065 (2016.01); **E21D 9/0657** (2016.01); **E21D 9/0879** (2016.01)

Cited by
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