

Title (en)

METHOD FOR MAKING A TUNNEL BY USING A DRIVING SHIELD

Publication

**EP 0303775 B1 19920304 (DE)**

Application

**EP 88108029 A 19880519**

Priority

DE 3726900 A 19870813

Abstract (en)

[origin: EP0303775A1] The method uses a driving-shield machine which has a working chamber under atmospheric pressure, the face being supported by a pressure means which, via the control gap of the shield, is in connection with the gap space between shield tail or floor or rock and tunnel lining. <??>The gap space (3) is closed off towards the working chamber between shield tail (1) and tunnel lining (2) by a gap sealing ring. Injection concrete is injected into the gap space (3) through pipe connections (5) in the gap sealing ring. For the purpose of closing a leaking joint possibly forming between the gap sealing ring and the shield tail (1) and/or the tunnel lining (2), work is carried out with an injection concrete which has fine additives (12) and coarse-grained aggregate (11) such that the coarse grains form a grain filter in front of any leaking joint, the pores of which grain filter are closed by the fine additives. <IMAGE>

IPC 1-7

**E21D 9/06**

IPC 8 full level

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CPC (source: EP US)

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**EP 0303775 A1 19890222; EP 0303775 B1 19920304**; DK 171200 B1 19960722; DK 282888 A 19890214; DK 282888 D0 19880524; JP H01142196 A 19890605; JP H0723680 B2 19950315; US 4911578 A 19900327

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