

Title (en)

Method of making long tunnels using tubbings as lining

Title (de)

Verfahren zum Herstellen langer Tunnel in Tübbingbauweise

Title (fr)

Procédé pour l'exécution de tunnels longs en utilisant le cuvelage comme revêtement

Publication

EP 0557268 B1 19970108 (DE)

Application

EP 93890020 A 19930217

Priority

AT 32492 A 19920221

Abstract (en)

[origin: US5324139A] A new combination of means and method steps is used in a method of constructing long tunnels with a lining, wherein excavation is effected with a tunnel boring machine (1) with a yielding shield mantle (4), building is effected continuously under the protection of the shield tail in a modular construction with tubing stones of a special form complementing each other to form tubing rings (15) while, until a new equilibrium of the rock formation is reached, occurring deformation forces are absorbed by the shield tail (4) and the tubing rings which are yieldingly constructed to a limited degree, an outer seal of the tubes is provided and the gap between the excavation (2) and the tunnel tubes is filled with a material (22) which may be yielding to a limited extent to absorb long-time deformation forces. A tunnel construction made by the method, special forms of tubing stones and new embodiments of drive means for the tunnel are disclosed.

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IPC 8 full level

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