

Title (en)  
IMPERVIOUS SEALING AND PRODUCTION METHOD FOR CREATING SELF-SUPPORTING AND EXCAVATABLE GROUND MASSES FOR THE REALIZATION OF SUBTERRANEAN CONSTRUCTIONS SUCH AS HOLLOW STRUCTURES OR THE LIKE

Publication  
**EP 0188282 A3 19880316 (DE)**

Application  
**EP 86100467 A 19860115**

Priority  
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Abstract (en)  
[origin: EP0188282A2] The impervious sealing and the production method for it make it possible to replace the expensive methods of shield tunnelling or freezing and as a result eliminate interference with the ground-water balance and prepare the ground masses to be excavated in such a way that they can be continuously excavated in timed sequence with the subterranean construction from a secured position and in the dry. This is achieved by virtue of the fact that the impervious sealing consists of an elastic sealing jacket (3) which is formed from sealing walls (2) arranged in the form of a canopy, screen, housing or the like and which hermetically seals off the ground masses (5) to be excavated from the ground water (4) and/or from air. In the production method provided for this, the ground masses (5) in place of a site to be driven dry are sealed off from the ground water (4) and/or the air by a sealing jacket, are dewatered, are compacted under the pressure of the ground water (4) in place on the outside of the sealing jacket (3) and/or are stabilised by applying a vacuum. <IMAGE>

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Citation (search report)  
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• [X] WEG EN WATERBOUW, Band 29, Nr. 10, Oktober 1969, Seiten 312,314,316; "Geotechniek 'nieuwe stijl"  
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