

Title (en)  
A TUNNEL WATERPROOFING METHOD

Title (de)  
VERFAHREN ZUR WASSERABDICHTUNG VON TUNNELN

Title (fr)  
PROCEDE D'IMPERMEABILISATION D'UN TUNNEL

Publication  
**EP 1290312 A1 20030312 (EN)**

Application  
**EP 01946109 A 20010605**

Priority  
• JP 2000175769 A 20000612  
• US 0118239 W 20010605

Abstract (en)  
[origin: WO0196709A1] To provide a waterproofing construction method with which excellent waterproofing capacity can be assured. A tunnel waterproofing method characterized in that a primary spray cement concrete is sprayed on the excavation surface of the tunnel, after which a waterproofing sheet having adhesiveness with a secondary coating cement concrete is installed on said primary spray cement concrete surface and a secondary coating cement concrete is established on said waterproofing sheet surface. A buffer-water conducting layer may also be established on said primary spray cement concrete surface and a multilayer waterproofing sheet having adhesiveness with the applied cement concete may also be installed as a waterproofing sheet.

IPC 1-7  
**E21D 11/10**; **E21D 11/38**

IPC 8 full level  
**E21D 11/10** (2006.01); **E21D 11/38** (2006.01)

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