

Title (en)  
Method of reinforcing arches

Title (de)  
Verfahren zum Bewehren von Gewölbem

Title (fr)  
Procédé de renforcement de voûtes

Publication  
**EP 1111186 B1 20060301 (DE)**

Application  
**EP 00127763 A 20001219**

Priority  
DE 19961448 A 19991220

Abstract (en)  
[origin: EP1111186A1] The method is for the reinforcement of an arch (1) of a tunnel (2) involves the reinforcement (3) produced on a movable gauge (4) and then placed on a sheathing (5) (ceiling dome) or an exchange sheathing. The reinforcement is then moved with the ceiling dome into an intended position and the arch is finally concreted. With the aid of a lifting device (11) of a service vehicle (10), reinforcement material is moved to the gauge (4). The reinforcement with the aid preferably of a gantry crane is lifted from the gauge and placed on the ceiling dome, which is then moved into the intended position with further shell walls.

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

CPC (source: EP)  
**E21D 11/102** (2013.01)

Cited by  
EP1277916A1; WO2006134408A3

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1111186 A1 20010627; EP 1111186 B1 20060301**; AT E318992 T1 20060315; DE 50012300 D1 20060427

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