

Title (en)

Method for constructing a traffic tunnel in segment design

Title (de)

Verfahren zum Bau eines Verkehrswegetunnels in Tübbingbauweise

Title (fr)

Procédé de construction d'un tunnel de voirie dans une construction en cuvelage

Publication

**EP 2706147 B1 20180627 (DE)**

Application

**EP 13183663 A 20130910**

Priority

- EP 12006395 A 20120911
- EP 13183663 A 20130910

Abstract (en)

[origin: EP2706146A1] The method involves assembling the tubbing components in a machine-made cavity hole to form a closed facing. The intermediate space between the inner wall of the cavity hole and the outer walls of the tubbing components is filled with pea gravels. Silicate resin is injected under pressure as cement-free annular filling to seal and back fill the intermediate room and to embed the tubbing components, after filling the intermediate space with pea gravels. A multi-grain pea gravel is used as pea gravel. The injection of silicate resin is carried out under so high pressure that loosening zones of the surrounding rock mass are sealed and filled back.

IPC 8 full level

**E02B 9/06** (2006.01); **E21D 11/08** (2006.01); **E21D 11/10** (2006.01)

CPC (source: EP)

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Cited by

CN112523780A; CN110617067A; EP3913186A1

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