Title (en)

METHOD FOR BUILDING A TUNNEL UNDER AN EXISTING CONSTRUCTION

Title (de)

VERFAHREN ZUM HERSTELLEN EINES TUNNELBAUWERKS UNTER EINEM BESTEHENDEN BAUWERK

Title (fr)

PROCEDE DE CONSTRUCTION D'UN OUVRAGE POUR TUNNEL SOUS UN OUVRAGE EXISTANT

Publication

EP 0979346 A1 20000216 (DE)

Application

EP 98932015 A 19980428

Priority

- DE 9801171 W 19980428
- DE 19718221 A 19970430

Abstract (en)

[origin: WO9849425A1] Disclosed is a method for building a tunnel (5) under an existing construction, wherein the tunnel (5) is pressed through the ground beneath an existing construction and the ground in the area of the cutting construction (9) on the advancement side of the tunnel (5) is removed parallel to direction in which the tunnel (5) advances. The existing construction is secured against earth movements during advancement of the tunnel (5) by building stabilization plates (10). In order to minimize friction between the tunnel (5) and the earth in place and to stabilize the earth beneath the existing construction, the stabilization plates (10) are embedded in the ground in an open type construction and connected to each other before the tunnel (5) is pressed through. The stabilization plates (10) are also fitted with reinforcing beams (11) on the earth side.

IPC 1-7

E21D 9/00

IPC 8 full level

E21D 9/00 (2006.01)

CPC (source: EP)

E21D 9/005 (2013.01)

Citation (search report)

See references of WO 9849425A1

Designated contracting state (EPC)

AT BE DE ES FR GB GR IE IT NL SE

DOCDB simple family (publication)

WO 9849425 A1 19981105; AT E200137 T1 20010415; DE 19725089 A1 19981105; DE 59800577 D1 20010503; EP 0979346 A1 20000216; EP 0979346 B1 20010328; PL 333502 A1 19991220

DOCDB simple family (application)

DE 9801171 W 19980428; AT 98932015 T 19980428; DE 19725089 A 19970613; DE 59800577 T 19980428; EP 98932015 A 19980428; PL 33350298 A 19980428