

Title (en)
Method for lining a tunnel

Title (de)
Verfahren zum Auskleiden von Tunneln

Title (fr)
Procédé de réalisation d'un tunnel revêtu

Publication
EP 0692606 B1 19991229 (FR)

Application
EP 95201867 A 19950707

Priority
BE 9400658 A 19940713

Abstract (en)
[origin: EP0692606A1] The procedure consists of excavating a tunnel with an appropriate machine (2) and fitting a tubular lining (7,8) inside it, using a stage in which the tube members are sectioned lengthwise and folded so that they can be inserted through an existing section of lining and then deployed inside the next excavated portion of the tunnel. The tunnelling machine (2) operates independently of the lining operation, and it comprises an anchoring unit (3), a thrust unit (4) and an excavation section (5). The machine operates in a series of successive stages, comprising anchoring, pushing the excavating section forward, and drawing the anchoring unit behind it. The lining members are of two types (7, 8) - an outer lining of metal or a synthetic material (7), and an inner one of metal or concrete. The inner one can be omitted or formed by injecting concrete after the outer one has been positioned. <IMAGE>

IPC 1-7
E21B 7/20; **E21D 9/00**

IPC 8 full level
E21B 7/20 (2006.01); **E21D 9/00** (2006.01)

CPC (source: EP)
E21B 7/20 (2013.01); **E21D 9/005** (2013.01)

Cited by
RU2485318C1; RU2768765C1; CN108150205A; FR2752877A1; EP0728974A1; RU2739880C1; BE1009528A3; EP0881359A1; DE19745130A1; EP0908598A3

Designated contracting state (EPC)
BE CH DE ES FR IT LI NL

DOCDB simple family (publication)
EP 0692606 A1 19960117; **EP 0692606 B1 19991229**; BE 1008489 A3 19960507; DE 69514160 D1 20000203; DE 69514160 T2 20000713; ES 2143001 T3 20000501

DOCDB simple family (application)
EP 95201867 A 19950707; BE 9400658 A 19940713; DE 69514160 T 19950707; ES 95201867 T 19950707