

Title (en)

Method for shuttering the walls of a tunnel and shutter for use in the method

Title (de)

Verfahren zum Verschalen von Wandungen eines Tunnels und Schalung zur Durchführung des Verfahrens

Title (fr)

Procédé pour coffrer les parois d'un tunnel et coffrage pour utilisation avec le procédé

Publication

EP 1096105 B1 20060301 (DE)

Application

EP 00123298 A 20001027

Priority

- DE 19951837 A 19991028
- DE 19955391 A 19991118

Abstract (en)

[origin: EP1096105A2] The shuttering produces a concrete lining for tunnel systems having at least two different cross sectional diameters. It uses a bogey mounted, mechanically-placed, reusable shuttering rig comprising at least separate, independent, wall (5) and ceiling (6) sections. When the shuttering is in place against the tunnel wall, the intervening gap is filled with concrete which is allowed to set sufficiently to be self-supporting. The shuttering sections are retracted from the wall and the dimensional parameters are reset for the second diameter, before the shuttering rig is moved into the new location. The concreting process is repeated.

IPC 8 full level

E21D 11/10 (2006.01)

CPC (source: EP)

E21D 11/102 (2013.01)

Cited by

CN113374511A; ES2442040R1; CN108104841A; CN111365024A; EA008577B1; EP2626509A1; CN105986828A; DE102004060653A1; DE102004060653B4; EP1136650A1; JP2016079773A; JP2016030967A; CN105986829A; CH702134B1; CN111365025A; CN108868832A; CN111365027A; US11408283B2; US11162268B2; WO2021237402A1; EP4159975A1; IT202100025274A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1096105 A2 20010502; EP 1096105 A3 20040107; EP 1096105 B1 20060301; AT E318991 T1 20060315; DE 50012287 D1 20060427

DOCDB simple family (application)

EP 00123298 A 20001027; AT 00123298 T 20001027; DE 50012287 T 20001027