

Title (en)

BUILDING ELEMENT FOR CREATING A TUNNEL, TUNNEL COMPRISING SUCH AN ELEMENT AND METHODS OF MANUFACTURING SUCH AN ELEMENT AND SUCH A TUNNEL

Title (de)

KONSTRUKTIONSELEMENT ZUR ERZEUGUNG EINES TUNNELS, TUNNEL MIT SOLCH EINEM ELEMENT UND VERFAHREN ZUR HERSTELLUNG SOLCH EINES ELEMENTS UND SOLCH EINES TUNNELS

Title (fr)

ÉLÉMENT DE CONSTRUCTION POUR LA RÉALISATION D'UN TUNNEL, TUNNEL COMPRENANT UN TEL ÉLÉMENT ET PROCÉDÉS DE FABRICATION D'UN TEL ÉLÉMENT ET D'UN TEL TUNNEL

Publication

EP 3277925 A1 20180207 (FR)

Application

EP 16721868 A 20160404

Priority

- FR 1552934 A 20150403
- FR 2016050764 W 20160404

Abstract (en)

[origin: WO2016156763A1] Building element for creating a tunnel, comprising an incompressible first layer (6) of concrete and a compressible (11) second layer (7) secured to the first layer (6) to form a one-piece prefabricated building element configured to be incorporated into a tunnel section, the second layer (7) comprising a material (11) comprising granulate agglomerated using a binder, and cavities (51 to 55) embedded within the material (11).

IPC 8 full level

E21D 11/04 (2006.01)

CPC (source: CN EP US)

E21D 11/04 (2013.01 - CN EP US); **E21D 11/05** (2013.01 - US)

Citation (search report)

See references of WO 2016156763A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2016156763 A1 20161006; AU 2016239986 A1 20171026; AU 2016239986 B2 20210401; CA 2981557 A1 20161006; CA 2981557 C 20230822; CN 108076650 A 20180525; CN 108076650 B 20210601; EP 3277925 A1 20180207; EP 3277925 B1 20190605; FR 3034451 A1 20161007; FR 3034451 B1 20170505; US 10519772 B2 20191231; US 2018163540 A1 20180614

DOCDB simple family (application)

FR 2016050764 W 20160404; AU 2016239986 A 20160404; CA 2981557 A 20160404; CN 201680027632 A 20160404; EP 16721868 A 20160404; FR 1552934 A 20150403; US 201615564087 A 20160404