

Title (en)

Formwork for concreting the inner lining of tunnels

Title (de)

Schalung zur Betonierung der Innenverkleidung von Tunneln

Title (fr)

Coffrage pour bétonner le revêtement interne de tunnels

Publication

EP 2472057 A3 20170329 (EN)

Application

EP 11382411 A 20111229

Priority

ES 201130005 A 20110104

Abstract (en)

[origin: EP2472057A2] The present invention relates to a formwork for concreting the inner lining of tunnels, made up of a resistant structure formed by two polygonal rings, perpendicular to the axis of the tunnel, made up of a variable number of ribs (1) articulated to one another and joined by a telescopic prop (4) which allows varying the angle they form in order to thus vary the curvature of the perimeter ring, such that by also varying the number of ribs (1) it is possible to adapt it to any measurement and configuration of the tunnel (t) to be constructed; a series of secondary ribs (2) externally defining a curvature (21) in accordance with each area or sector of tunnel in which it is assembled; and a series of flexible steel sheets (3) which adopts the radius of curvature suitable for the area or sector of tunnel to be constructed and makes up the skin of the formwork on a surface, having the length of the formwork and the width corresponding to a sector of tunnel, defined by one of the intermediate parts(2) supporting it and by the rib or ribs (1) forming the inner structural rings.

IPC 8 full level

E21D 11/10 (2006.01)

CPC (source: EP ES)

E21D 11/10 (2013.01 - ES); **E21D 11/102** (2013.01 - EP)

Citation (search report)

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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)

EP 2472057 A2 20120704; EP 2472057 A3 20170329; EP 2472057 B1 20180530; ES 2442040 A2 20140207; ES 2442040 B1 20141210; ES 2442040 R1 20140304; ES 2683916 T3 20180928; HR P20181283 T1 20181005; PL 2472057 T3 20190131; PT 2472057 T 20181012; RS 57625 B1 20181130

DOCDB simple family (application)

EP 11382411 A 20111229; ES 11382411 T 20111229; ES 201130005 A 20110104; HR P20181283 T 20180803; PL 11382411 T 20111229; PT 11382411 T 20111229; RS P20180935 A 20111229