Title (en)
METHOD FOR PRODUCING AN INTEGRAL BRIDGE, AND INTEGRAL BRIDGE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER INTEGRALEN BRÜCKE UND INTEGRALE BRÜCKE

Title (fr)
PROCÉDÉ DE FABRICATION D'UN PONT INTÉGRAL ET PONT INTÉGRAL

Publication
EP 3673113 B1 20240103 (DE)

Application
EP 18752087 A 20180726

Priority
• AT 507052017 A 20170824
• AT 2018060163 W 20180726

Abstract (en)
[origin: WO2019036735A1] Method for producing an integral bridge (1), wherein a first arch (5) is produced in a first structural portion and at least a further arch is produced in at least one further structural portion, wherein each arch has at least one tie rod (10) which interconnects the foot points (6) of the arch, wherein a foot point of the arch is displaceably mounted, wherein each tie rod is so highly tensioned that the horizontal forces, which are caused by the intrinsic weight of the arch (5), at the foot points of the corresponding arch are taken up by the tie rod, and wherein a first end point (11) of the tie rod of a first arch is connected in a force-fitting manner to the first abutment (2), and a second end point (11) of the tie rod of a last arch is connected in a force-fitting manner to the second abutment (2), the remaining, in each case adjoining end points of the tie rods are connected to one another in a force-fitting manner, and the corresponding foot points of the arches are connected in a force-fitting manner to the abutments (2) and to the at least one pillar (4).

IPC 8 full level
E01D 4/00 (2006.01); E01D 21/00 (2006.01)

CPC (source: AT EP US)
E01D 4/00 (2013.01 - AT EP US); E01D 19/042 (2013.01 - US); E01D 19/14 (2013.01 - US); E01D 21/00 (2013.01 - EP US); E04C 3/26 (2013.01 - AT)

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

DOCDB simple family (publication)
WO 2019036735 A1 20190228; AT 520386 A1 20190315; AT 520386 B1 20191015; CN 111032959 A 20200417; CN 111032959 B 20211008; EP 3673113 A1 20200701; EP 3673113 B1 20240103; US 11136733 B2 20211005; US 2020248414 A1 20200806

DOCDB simple family (application)
AT 2018060163 W 20180726; AT 507052017 A 20170824; CN 201880054483 A 20180726; EP 18752087 A 20180726; US 201816641575 A 20180726