

Title (en)
Dismountable bridge

Title (de)
Zerlegbare Brücke

Title (fr)
Pont démontable

Publication
EP 1398415 A3 20041229 (DE)

Application
EP 03015413 A 20030709

Priority
DE 10242860 A 20020914

Abstract (en)
[origin: US2004123406A1] A collapsible bridge has two track girders constructed as truss girders with a triangular cross-section. A chord profile is provided at each triangulation point and two corners of the triangular cross-section are situated at the same level with the third corner situated above the corner. A pair of truss planes are formed from diagonal struts, a lower chord and an upper chord, with lower and upper truss nodes respectively being formed at connection points of two diagonal struts and a lower chord and an upper chord respectively. The two track girders are force-lockingly connected by transverse girders. Roadway planks are provided which are aligned in the longitudinal direction of the bridge and are force-lockingly connected with the transverse girders. The transverse girders are fitted completely through the track girders and are force-lockingly connected with the latter, so that the transverse girders fix the distance between the two truss planes on the bottom side of a track girder as well as the two track girders with respect to one another. The transverse girders rest on lower nodes of the two truss planes of a track girder and are force-lockingly connected therewith. The two truss planes of a track girder are connected at the upper triangulation point of the track girder cross-section by a hinge, such that, when the bridge is taken down, the track girders can be folded together.

IPC 1-7
E01D 15/133

IPC 8 full level
E01D 15/12 (2006.01); **E01D 15/133** (2006.01)

CPC (source: EP US)
E01D 15/124 (2013.01 - EP US); **E01D 15/133** (2013.01 - EP US)

Citation (search report)

- [XA] EP 0600321 A1 19940608 - KRUPP FOERDERTECHNIK GMBH [DE]
- [DA] DE 19510582 A1 19961002 - KRUPP FOERDERTECHNIK GMBH [DE]
- [A] CH 666500 A5 19880729 - PETER HOEGL POTTERAT

Cited by
DE202017103150U1; WO2017200410A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2004123406 A1 20040701; US 7062811 B2 20060620; AT E387544 T1 20080315; DE 10242860 B3 20040122; DE 50309246 D1 20080410; EP 1398415 A2 20040317; EP 1398415 A3 20041229; EP 1398415 B1 20080227; ES 2301736 T3 20080701

DOCDB simple family (application)
US 66176903 A 20030915; AT 03015413 T 20030709; DE 10242860 A 20020914; DE 50309246 T 20030709; EP 03015413 A 20030709; ES 03015413 T 20030709