

Title (en)
ROAD-BRIDGE MODULE AND BRIDGE CONSTRUCTION METHOD

Title (de)
STRASSENBRÜCKENMODUL UND BRÜCKENKONSTRUKTIONSVERFAHREN

Title (fr)
MODULE DE PONT ROUTIER ET PROCÉDÉ DE CONSTRUCTION DE PONT

Publication
EP 3075912 A1 20161005 (EN)

Application
EP 15162120 A 20150331

Priority
EP 15162120 A 20150331

Abstract (en)
A containerized bridge module 2 is described which can be secured end-to-end with other similar modules to form a simple-beam bridge span having a substantially trapezoidal cross-section. The module comprises a road deck 6 which forms the upper chord of the simple beam structure and a lower chord 7. The shear loading in the simple beam structure is transmitted between the upper and lower chords by means of parallel inner truss elements 33 and angled outer truss elements 31. The road deck 6 comprises a medial road deck portion 6 M and two lateral road deck portions 6 L which are hinged at 14 to fold down into a retracted configuration for transport. The angled outer truss elements 31 may be articulated to permit this retraction and to facilitate deployment. In its retracted state, the bridge module 2 fits within a rectangular cuboid 21 which has the dimensions 22, 23 of a standard shipping container.

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

CPC (source: EP US)
E01D 6/00 (2013.01 - US); **E01D 15/124** (2013.01 - EP US); **E01D 15/133** (2013.01 - EP US); **E01D 21/00** (2013.01 - US)

Citation (applicant)
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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 3075912 A1 20161005; US 2016289904 A1 20161006

DOCDB simple family (application)
EP 15162120 A 20150331; US 201615085427 A 20160330