

Title (en)
Steel-concrete-composite girder for a bridge construction

Title (de)
Stahlbetonverbundträger für eine Brückenkonstruktion

Title (fr)
Poutre composite acier-béton pour construction de pont

Publication
EP 2431525 B1 20131120 (DE)

Application
EP 11007512 A 20110914

Priority
DE 102010045453 A 20100915

Abstract (en)
[origin: EP2431525A1] The structure has steel composite girders (2) runningly arranged adjacent to each other in a bridge longitudinal direction. U-shaped steel profiles (4) include two bars and a steel bottom flange on a lower side, and a slag reinforced precast concrete part at an upper side. Composite dowels are provided at free ends of the bars. The dowels are embedded into the precast concrete part and formed by cutting the bars. The steel profile is made of an edged sheet with a thickness of upto 10 mm. A load application stiffener (36) is provided at ends of the steel profile. An independent claim is also included for a method for constructing a bridge structure.

IPC 8 full level
E01D 2/00 (2006.01); **E04C 3/294** (2006.01)

CPC (source: EP)
E01D 2/00 (2013.01); **E04C 3/294** (2013.01); **E01D 2101/268** (2013.01)

Cited by
CN112663866A; CN106149540A; CN108252210A; CN109338866A

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)
EP 2431525 A1 20120321; EP 2431525 B1 20131120; DE 102010045453 A1 20120315; PL 2431525 T3 20140731

DOCDB simple family (application)
EP 11007512 A 20110914; DE 102010045453 A 20100915; PL 11007512 T 20110914