

Title (en)
DOUBLE COMPOSITE GIRDER FOR BRIDGE

Title (de)
DOPPELVERBUNDTRÄGER FÜR BRÜCKE

Title (fr)
POUTRE COMPOSITE DOUBLE DE PONT

Publication
EP 3540124 B1 20200729 (EN)

Application
EP 19153342 A 20190123

Priority
KR 20180029388 A 20180313

Abstract (en)
[origin: EP3540124A1] Double composite girder (A) for a bridge, the girder having a rectangular container-like steel box (10) adapted to have concrete (C) filled in an interior thereof, a bottom flange (30) located under the steel box (10) in a longitudinal direction of the steel box (10), and a web (20) located between the steel box (10) and the bottom flange (30) to connect the steel box (10) and the bottom flange (30) to each other, wherein a top of the web (20) corresponds to an underside of the steel box (10) and an underside of the web (20) is located longitudinally on the center of top of the bottom flange (30), the double composite girder (A) including: a middle span (100) formed between two adjacent piers or between an abutment and a pier; and support spans (200) formed on points of the piers or abutments in such a manner as to be connected to the middle span (100), wherein the middle span (100) is divided into a first concrete filling section (X) in which the concrete is filled from the arch-shaped bottom to the top flanges and a second concrete filling section (Y) in which the concrete is filled to a given height from the arch-shaped bottom, and the first concrete filling section (X) and the second concrete filling section (Y) of the middle span (100) being partitioned by a blocking plate (140), so that amounts of concrete filled in the first concrete filling section (X) and the second concrete filling section (Y) are different from each other.

IPC 8 full level
E01D 2/00 (2006.01); **E04C 3/07** (2006.01); **E04C 3/293** (2006.01)

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