E01D

CONSTRUCTION OF BRIDGES, (ELEVATED ROADWAYS) OR VIADUCTS;
ASSEMBLY OF BRIDGES (bridges extending between terminal buildings and aircraft for
embarking or disembarking passengers B64F 1/305; {tracks for special kinds of railways
E01B 25/00; culverts E01F 5/005})

WARNINGS
1. The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following
CPC groups:
   E01D 24/00
2. In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the
scheme.

1/00 Bridges in general (characterised by their structural type E01D 4/00 - E01D 15/00)
   1/005 {Bowstring bridges (truss-type bowstring bridges E01D 6/02)}

2/00 Bridges characterised by the cross-section of their bearing spanning structure
   2/02 . of the l-girder type
   2/04 . of the box-girder type

4/00 Arch-type bridges

6/00 Truss-type bridges
   6/02 . of bowstring type

11/00 Suspension or cable-stayed bridges
   11/02 . Suspension bridges
   11/04 . Cable-stayed bridges

12/00 Bridges characterised by a combination of structures not covered as a whole by a single one of
groups E01D 2/00 - E01D 11/00

15/00 Movable or portable bridges; Floating bridges
   15/005 {Movable bridges in general (floating bridges with sections movable to allow passing of water-
borne traffic E01D 15/145; lock gates E02B 3/20); Constructional elements peculiar to movable bridges)

   15/02 . Vertical lift bridges
   15/04 . Swing bridges
   15/06 . Bascule bridges; Roller bascule bridges, e.g. of Scherzer type
   15/08 . Drawbridges
   15/10 . Travelling bridges (i.e. roller bridges); Sliding bridges; Rotary cylinder bridges, i.e. rotating about
   longitudinal axis to invert and raise the road
   15/12 . Portable or sectional bridges (floating bridges E01D 15/14)

   15/122 . {Inflatable or unreelable bridges (inflatable or unreelable girders in general E04C 3/005); Bridges
   with main load-supporting structure consisting only of non-rigid elements, e.g. cables)

   15/124 . {Folding or telescopic bridges; Bridges built up from folding or telescopic sections (E01D 15/122,
   E01D 15/127 take precedence; folding or telescopic girders in general E04C 3/005})

   15/127 . combined with ground-supported vehicles for the transport, handling or placing of such bridges or
   of sections thereof

   15/133 . built-up from readily separable standardised sections or elements, e.g. Bailey bridges
   (E01D 15/127 takes precedence)

   15/14 . Floating bridges, e.g. pontoon bridges (landing bridges E01D 15/24; floating bodies or pontoons
   B63B)

   15/145 . {displaceable or with sections movable to allow passing of water-borne traffic
   (movable bridges actuated by floating bodies E01D 15/005 - E01D 15/101)

   15/20 . collapsible, expandable, inflatable or the like (with main load supporting structure consisting
   only of non-rigid members) (E01D 15/22 takes precedence)

   15/22 . designed as, or mounted on, vehicles

   15/24 . Bridges or similar structures, based on land or on a fixed structure and designed to give access to
   ships or other floating structures (arrangement of ship-based ramps B63B 27/14; loading ramps
   B65G 69/28)

18/00 Bridges specially adapted for particular applications or functions not provided for
elsewhere, e.g. aqueducts, bridges for supporting pipe-lines

19/00 Structural or constructional details of bridges
   19/005 . (Piers, trestles, bearings, expansion joints or parapets specially adapted for portable or sectional bridges)
21/065 . . . [Incremental launching]
21/08 . by rotational movement of the bridge or bridge sections
21/10 . Cantilevered erection
21/105 . . . [Balanced cantilevered erection]

Methods or apparatus for repairing or strengthening existing bridges ((electrochemical desalination or re-alkalisation C04B 41/00); Methods or apparatus for dismantling bridges)

Material constitution of bridges

Wood
Concrete, stone or stone-like material
Masonry; Bricks
Concrete
reinforced
Metal (E01D 2101/26 takes precedence)
prestressed
Non-ferrous, e.g. aluminium
Plastics

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prestressed
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