Title (en)
FOUNDATION SYSTEM FOR BRIDGES AND OTHER STRUCTURES

Title (de)
FUNDAMENTSYSTEM FÜR BRÜCKEN UND ANDERE STRUKTUREN

Title (fr)
SYSTÈME DE FONDATION POUR PONTS ET AUTRES STRUCTURES

Publication
EP 2931976 A1 20151021 (EN)

Application
EP 13862489 A 20131210

Priority
• US 201261736819 P 20121213
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• US 2013074129 W 20131210

Abstract (en)
[origin: WO2014093344A1] A bridge system is provided that utilizes foundation structures that are formed of the combination of precast and cast-in-place concrete. A method of constructing the combination precast and cast-in-place concrete foundation structures involves receiving at a construction site a precast concrete foundation unit having elongated upright wall members that define a channel therebetween, and multiple upright supports located within the channel; placing the precast concrete foundation unit at a desired use location; delivering concrete into the channel while the precast concrete foundation unit remains at the desired use location; and allowing the concrete to cure-in-place such that the elongated upright wall members are connected to the cured-in-place concrete by reinforcement embedded within both the cured-in-place concrete and the upright wall members. The bridge units may be placed before the pouring step to embed the bottoms of the bridge units in the cast-in-place concrete.

IPC 8 full level
E01D 19/02 (2006.01); **E02D 27/32** (2006.01)

CPC (source: EP US)
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E01D 2101/24 (2013.01 - US); E01D 2101/26 (2013.01 - US); E01D 2101/28 (2013.01 - US)

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