

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
- US 201361837853 P 20130621
- US 201314098615 A 20131206
- 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.

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