Title (en)

BRIDGE DECK SYSTEM

Title (de)

BRÜCKENFAHRBAHN

Title (fr)

SYSTEME DE TABLIER DE PONT

Publication

EP 0856087 A4 20000322 (EN)

Application

EP 95935227 A 19951016

Priority

US 9512524 W 19951016

Abstract (en)

[origin: CA2234766A1] A reduced-weight bridge deck (10) having a plurality of areas (17) wich are void of concrete to provide a lower dead load force and to reduce the product costs. The bridge deck (10) includes structural support bars (16), posttensioning ducts (20) and a concrete component (18). The concrete component (18) has spaced downwardly projecting protrusions (28) which laterally distribute forces and permit the ability of providing areas (17) void of concrete therebetween. The post-tensioning ducts (20) are located within and extend through the downwardly projecting protrusions (28). The strength of the deck (10) is achieved by placing tendons (42) within the ducts (20). The tendons (42) are tightened and anchored to the ends of the deck (10) to prestress the concrete component (18).

IPC 1-7

E01D 19/12

IPC 8 full level

E01D 19/12 (2006.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9714849A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

AU 3732395 A 19970507; CA 2234766 A1 19970424; EP 0856087 A1 19980805; EP 0856087 A4 20000322

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