

Title (en)  
BRIDGE STRUCTURE.

Title (de)  
BRÜCKENAUFBAU.

Title (fr)  
STRUCTURE DE PONT.

Publication  
**EP 0685018 A1 19951206 (EN)**

Application  
**EP 94907749 A 19940209**

Priority  
• SE 9400101 W 19940209  
• SE 9300502 A 19930216

Abstract (en)  
[origin: WO9419543A1] This invention is a new type of bridge structure with a short erection time. The invention eliminates temporary supports and scaffoldings, and generates an aesthetical final product with the advantages of both a concrete bridge and a steel bridge. The invention may be used for car-, railroad-, bicycle- and pedestrian bridges or similar structures. The invention may also be used for temporary bridges, possible to disassemble. Between the main girders of the bridge (1), which are filled with concrete (2), a steel deck (3) is supported and connected to the bottom flanges (4) of the girders. On top of the steel deck a concrete slab (7) is cast. On top of the girder (1), which acts as a safety fence against collision in composite action with the concrete (2), an inclined railing (10) is connected, including a hand rail (11) that may be unspliced.

IPC 1-7  
**E01D 9/02**

IPC 8 full level  
**E01D 2/00** (2006.01); **E01D 19/12** (2006.01)

CPC (source: EP)  
**E01D 2/00** (2013.01); **E01D 19/125** (2013.01); **E01D 2101/268** (2013.01)

Citation (search report)  
See references of WO 9419543A1

Cited by  
CN104499415A

Designated contracting state (EPC)  
AT BE CH DE DK ES FR GB IE IT LI NL PT

DOCDB simple family (publication)  
**WO 9419543 A1 19940901**; AT E172263 T1 19981015; DE 69413950 D1 19981119; DE 69413950 T2 20000720; DK 0685018 T3 19990623; EP 0685018 A1 19951206; EP 0685018 B1 19981014; ES 2125439 T3 19990301; FI 953847 A0 19950815; FI 953847 A 19950815; NO 304801 B1 19990215; NO 953152 D0 19950810; NO 953152 L 19950815; SE 502338 C2 19951002; SE 9300502 D0 19930216; SE 9300502 L 19940817

DOCDB simple family (application)  
**SE 9400101 W 19940209**; AT 94907749 T 19940209; DE 69413950 T 19940209; DK 94907749 T 19940209; EP 94907749 A 19940209; ES 94907749 T 19940209; FI 953847 A 19950815; NO 953152 A 19950810; SE 9300502 A 19930216