

Title (en)  
REINFORCEMENT DEVICE FOR SUPPORTING STRUCTURES

Title (de)  
VERSTÄRKUNGSVORRICHTUNG FÜR TRAGSTRUKTUREN

Title (fr)  
DISPOSITIF DE RENFORT POUR STRUCTURES PORTEUSES

Publication  
**EP 1007809 B1 20011010 (DE)**

Application  
**EP 98937382 A 19980818**

Priority  
• CH 9800346 W 19980818  
• CH 198797 A 19970826

Abstract (en)  
[origin: WO9910613A1] The ends of the carbon plates (2) reinforcing the supporting elements (1), such as concrete beams, are divided into at least two splines (2') having approximately the same thickness and are glued in the appropriate retaining slots (9) of a terminal element (3, 4, 12, 13), said splines forming an angle in relation to each other. This assembly is then glued to the traction side of the supporting element (1), whereby the carbon plates (2) are directly prestressed by the terminal elements (3, 4, 12, 13) in relation to the supporting element (1). The terminal element (3, 4, 12, 13) can be inserted into an appropriate groove in the supporting element (1) or glued directly on the surface of the supporting element (1) and/or doweled, optionally by using a transversal tensioning device.

IPC 1-7  
**E04G 23/02**

IPC 8 full level  
**E04C 3/26** (2006.01); **E04C 5/07** (2006.01); **E04C 5/12** (2006.01); **E04G 23/02** (2006.01)

CPC (source: EP US)  
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**WO 9910613 A1 19990304**; AT E206794 T1 20011015; AU 740242 B2 20011101; AU 8621098 A 19990316; BR 9812141 A 20000718;  
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