

Title (en)
REPAIR OF STRUCTURAL MEMBERS

Title (de)
REPARATUR VON TRAGENDEN ELEMENTEN

Title (fr)
REPARATION DES ELEMENTS DE STRUCTURE

Publication
EP 0991821 A4 20020724 (EN)

Application
EP 98918986 A 19980507

Priority
• AU 9800331 W 19980507
• AU PO666597 A 19970507

Abstract (en)
[origin: WO9850640A1] A method of increasing the structural strength of a load bearing member such as a pile (12), particularly for the purpose of repairing a damaged pile, includes the steps of securing a rigid, structural sleeve (17) around the pile (12) and spaced therefrom to form an interspace (18), filling the interspace (18) with an expansive filler (19), and allowing the filler (19) to set and expand in the interspace (18) to impose tensile hoop stresses in the sleeve (17) and corresponding compressive hoop stresses in the pile (12) to enhance the load transfer between the pile (12) and the sleeve (17).

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E02D 5/64; **E02D 37/00**; **E04H 12/22**; **E02D 5/60**

IPC 8 full level
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CPC (source: EP KR)
E02D 5/64 (2013.01 - EP KR); **E02D 5/60** (2013.01 - EP); **E02D 2300/0004** (2013.01 - EP)

Citation (search report)
• [Y] US 4644722 A 19870224 - PHILLIPS CECIL L [GB]
• [XY] PATENT ABSTRACTS OF JAPAN vol. 011, no. 098 (M - 575) 27 March 1987 (1987-03-27)
• See references of WO 9850640A1

Designated contracting state (EPC)
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