

Title (en)  
COMPOSITE DOWEL SYSTEM AND RELATED METHOD

Title (de)  
VERBUNDÜBELSYSTEM UND VERWANDTES VERFAHREN

Title (fr)  
SYSTEME DE GOUJON COMPOSITE ET PROCEDE ASSOCIE

Publication  
**EP 1718805 A4 20080521 (EN)**

Application  
**EP 05713522 A 20050211**

Priority  
• US 2005004660 W 20050211  
• US 54427504 P 20040212

Abstract (en)  
[origin: WO2005080687A1] A composite dowel structure and related methods (Fig. 1) are provided, for preparing, repairing and/or reinforcing existing hollow support structures, e.g. light poles made of steel, iron, or fiberglass, especially support structures that have lost tensile strength due to corrosion or other types of deterioration. The methods are particularly useful in preparing, repairing and/or reinforcing a hollow support structure, by forming a composite dowel structure, in situ, in the hollow support structure.

IPC 8 full level  
**E04H 12/22** (2006.01); **E01C 11/14** (2006.01)

CPC (source: EP US)  
**E04H 12/2292** (2013.01 - EP US)

Citation (search report)  
• [X] DE 19625259 A1 19980102 - THOM ROLAND [DE]  
• [X] EP 1336704 A2 20030820 - NTT INFRASTRUCTURE NETWORK COR [JP]  
• [A] US 4921555 A 19900501 - SKIFF RUSSELL A [US]  
• See references of WO 2005080687A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2005080687 A1 20050901**; CA 2554414 A1 20050901; EP 1718805 A1 20061108; EP 1718805 A4 20080521; MX PA06009276 A 20070202; US 2007163202 A1 20070719

DOCDB simple family (application)  
**US 2005004660 W 20050211**; CA 2554414 A 20050211; EP 05713522 A 20050211; MX PA06009276 A 20050211; US 59773605 A 20050211