

Title (en)
A COMPOSITE BEAM

Title (de)
VERBUNDTRÄGER

Title (fr)
POUTRE COMPOSITE

Publication
EP 1618261 A4 20070404 (EN)

Application
EP 04729011 A 20040423

Priority
• AU 2004000535 W 20040423
• AU 2003902044 A 20030430

Abstract (en)
[origin: WO2004097138A1] A composite beam (1) comprising: a) an elongated timber member (10); and b) at least one hybrid structural module (20) having a tubular fibre composite member (30); ii) a filled resin system (40) located within said tubular fibre composite member; and iii) at least one elongated steel member (50) located within the filled resin system, wherein the elongated timber member and the hybrid structural module are joined together.

IPC 8 full level
E04C 3/18 (2006.01); **E04C 3/29** (2006.01)

CPC (source: EP)
E04C 3/122 (2013.01); **E04C 3/185** (2013.01); **E04C 3/29** (2013.01)

Citation (search report)
• [A] DE 2531656 A1 19770203 - BUCHHOLZ JOSEF
• [A] GB 2134956 A 19840822 - RICKARDS TIMBER TREATMENT LIM
• [A] US 6050047 A 20000418 - COVELLI FRED M [US], et al
• [E] US 6832454 B1 20041221 - IYER SRINIVASA L [US]
• [E] WO 2004044342 A1 20040527 - UNIV SOUTHERN QUEENSLAND [AU], et al
• See references of WO 2004097138A1

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

DOCDB simple family (publication)
WO 2004097138 A1 20041111; AU 2003902044 A0 20030515; CA 2523853 A1 20041111; EP 1618261 A1 20060125; EP 1618261 A4 20070404

DOCDB simple family (application)
AU 2004000535 W 20040423; AU 2003902044 A 20030430; CA 2523853 A 20040423; EP 04729011 A 20040423