

Title (en)  
COMPOSITE STRUCTURAL MEMBER

Title (de)  
STRUKTURELLES VERBUNDSTOFFELEMENT

Title (fr)  
ÉLÉMENT STRUCTURAL COMPOSITE

Publication  
**EP 3039206 A4 20170222 (EN)**

Application  
**EP 14842306 A 20140905**

Priority  
• AU 2013903420 A 20130906  
• AU 2014901839 A 20140518  
• AU 2014050212 W 20140905

Abstract (en)  
[origin: WO2015031957A1] The present invention provides a timber structural member comprising: a first timber round having a first cooperating surface extending longitudinally along the length thereof, a second timber round having a second and a third cooperating surfaces extending longitudinally along the length thereof, and a third timber round having a fourth cooperating surface extending longitudinally along the length thereof wherein, the first cooperating surface is shaped to cooperate with the second cooperating surface, and the third cooperating surface is shaped to cooperate with the fourth cooperating surface, the first, second and third timber rounds are secured together to form a structurally integral unit in which the first cooperating surface is in contact with the second cooperating surface, and the third cooperating surface is in contact with the fourth cooperating surface, and the first, second and third timber rounds are substantially parallel to each other, and wherein the first, second and third timber rounds are secured to each other by a plurality of fasteners spaced along the length of the member, the plurality of fasteners comprising fasteners provided at both acute and obtuse angles from a longitudinal axis of the structural member, the fasteners extending through the first, second and third timber rounds.

IPC 8 full level  
**E04H 12/04** (2006.01); **E04B 1/10** (2006.01); **E04B 2/70** (2006.01); **E04C 3/12** (2006.01); **E04C 3/18** (2006.01); **E04C 3/36** (2006.01); **E04C 3/42** (2006.01); **F16S 3/02** (2006.01)

CPC (source: EP US)  
**E04B 1/10** (2013.01 - US); **E04B 2/702** (2013.01 - US); **E04C 3/12** (2013.01 - EP US); **E04C 3/122** (2013.01 - US); **E04C 3/18** (2013.01 - EP US); **E04C 3/36** (2013.01 - EP US); **E04B 2/705** (2013.01 - EP US)

Citation (search report)  
• [XY] US 2007130852 A1 20070614 - SIEBER DOMINIK [CH]  
• [X] US 3974601 A 19760817 - STEADMAN ERNEST H  
• [Y] WO 2010057243 A1 20100527 - THORNTON PATRICK [AU], et al  
• See also references of WO 2015031957A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2015031957 A1 20150312**; AU 2014317815 A1 20160421; AU 2014317815 B2 20180705; CA 2923307 A1 20150312; CA 2923307 C 20220927; CN 105917058 A 20160831; CN 105917058 B 20180626; EP 3039206 A1 20160706; EP 3039206 A4 20170222; JP 2016534909 A 20161110; JP 2020001401 A 20200109; MY 187517 A 20210925; US 2016194869 A1 20160707

DOCDB simple family (application)  
**AU 2014050212 W 20140905**; AU 2014317815 A 20140905; CA 2923307 A 20140905; CN 201480059979 A 20140905; EP 14842306 A 20140905; JP 2016539364 A 20140905; JP 2019162742 A 20190906; MY PI2016700748 A 20140905; US 201414916617 A 20140905