

Title (en)  
Composite plate

Title (de)  
Verbundplatte

Title (fr)  
Plaque composite

Publication  
**EP 2405069 A3 20121107 (DE)**

Application  
**EP 11450087 A 20110704**

Priority  
**AT 11392010 A 20100706**

Abstract (en)  
[origin: EP2405069A2] The board (1) has a reinforcement element (3) arranged at a side surface of a concrete body (2), and a composite unit with a cavity provided in the element. The element is formed in shape of a pane with two parallel planar surfaces such that entire volume of the element is arranged within the surfaces. A thrust dowel exhibits shape of a cylinder or a prism with an axle that lies normal to the element. Base surfaces of the cylinder or the prism lie in the surfaces, and the cavity exhibits geometrical shape similar to the dowel, where the dowel is arranged in the cavity. An independent claim is also included for a method for manufacturing a composite board. The reinforcement element is made of metal, metal alloy, plastic or fiber reinforced plastic. The concrete body is made of fiber-reinforced concrete and/or ultrahigh-fixed concrete.

IPC 8 full level  
**E04C 2/28** (2006.01); **E01C 5/22** (2006.01); **E04B 5/40** (2006.01); **E04C 2/06** (2006.01)

CPC (source: EP)  
**E01C 5/22** (2013.01); **E04B 5/40** (2013.01); **E04C 2/06** (2013.01); **E04C 2/28** (2013.01)

Citation (search report)

- [X] GB 656477 A 19510822 - ARTHUR RAYMOND PERRY, et al
- [IY] US 2005086905 A1 20050428 - RALPH GREGORY S [US], et al
- [YD] US 4016697 A 19770412 - ERICSON RICHARD
- [Y] GB 835003 A 19600518 - SIDNEY GEORGE LAWRENCE
- [YD] DE 2004101 A1 19711111 - MERO AG
- [Y] FR 900329 A 19450626 - MAISON METALLIQUE GRAMES
- [Y] DE 2339638 A1 19750220 - SOWA WALTER DR-ING, et al
- [A] US 1986999 A 19350108 - BURGESS EDWARD W
- [A] FR 1035689 A 19530827

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

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**AT 509718 A4 20111115; AT 509718 B1 20111115; EP 2405069 A2 20120111; EP 2405069 A3 20121107**

DOCDB simple family (application)  
**AT 11392010 A 20100706; EP 11450087 A 20110704**