

Title (en)

Lightweight metal dimple panel and method of manufacture

Title (de)

Leichtbauplatte aus Metall in Form einer Höckerplatte und Verfahren zu ihrer Herstellung

Title (fr)

Panneau à butée en métal léger et procédé de fabrication

Publication

**EP 0892122 A3 19991103 (DE)**

Application

**EP 98111848 A 19980626**

Priority

DE 19730647 A 19970717

Abstract (en)

[origin: EP0892122A2] The light structural plate is formed with a sheet aluminium plate (3) bonded at the end faces to a steel plate (1) through a metal connection produced by heat action without melting phase with a shear strength of more than 15 N/mm<2>. The steel plate can be zinc-plated at least on its connecting side. The connection can also be provided with a keyed engagement using grooves and ribs. The indents (2) are preferably longer than they are wide and the cavity between the plates can be filled with shape-stable filler.

IPC 1-7

**E04C 2/32**; **E04C 2/34**

IPC 8 full level

**B23K 20/04** (2006.01); **B23K 26/08** (2006.01); **E04C 2/08** (2006.01); **E04C 2/32** (2006.01); **E04C 2/34** (2006.01)

CPC (source: EP US)

**E04C 2/32** (2013.01 - EP US); **Y10T 428/12347** (2015.01 - EP US); **Y10T 428/1241** (2015.01 - EP US); **Y10T 428/12757** (2015.01 - EP US)

Citation (search report)

- [A] DE 19503166 A1 19960808 - THYSSEN STAHL AG [DE]
- [DA] DE 19502140 C1 19960515 - THYSSEN STAHL AG [DE]

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**EP 0892122 A2 19990120**; **EP 0892122 A3 19991103**; **EP 0892122 B1 20030521**; DE 19730647 A1 19990121; DE 19730647 C2 20000810; DE 59808415 D1 20030626; US 6065266 A 20000523

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