Title (en)

PRE-ASSEMBLED PLATE CONSISTING OF ARMOURED CONCRETE

Title (de)

STAHLBETONFERTIGTEILPLATTE

Title (fr)

PLAQUE PREFABRIQUEE EN BETON ARME

Publication

EP 1218596 A1 20020703 (DE)

Application

EP 00962509 A 20000920

Priority

- DE 19948003 A 19991006
- EP 0009188 W 20000920

Abstract (en)

[origin: US7556208B1] The invention relates to a pre-assembled plate consisting of armored concrete, especially for the use as a component of a solid roadway for high-speed means of transport. At least two steel rods extending in the longitudinal direction of the pre-assembled plate of armored concrete (10) and protruding over the concrete surface thereof on the front face (17) are provided. The pre-assembled plate (10) is provided with at least one, preferably several, predetermined breaking points (15) which extends crosswise in relation to the steel rods (19). The steel rod (19) is anchored in the area between the front face (17) of the pre-assembled plate (10) and the first predetermined breaking point (1) respectively and is mounted in the direction towards the respective front face (17) in the longitudinal direction thereof in an essentially freely moveable manner. According to a method for producing a plate composite structure of pre-assembled plates of armored concrete (10), the pre-assembled plate (10) is placed and exactly positioned. A casting compound (42) is underpoured under the exactly positioned pre-assembled plate. The pre-assembled plate (10) is connected to the adjacent pre-assembled plate (10) by casting the joint and connecting the steel rods (19) after the casting compound (42) has hardened.

IPC 1-7

E01B 3/40; E01B 3/34; E01B 29/00; E01C 5/08

IPC 8 full level

E01B 3/34 (2006.01); **E01B 3/40** (2006.01); **E01B 29/00** (2006.01); **E01B 3/28** (2006.01)

CPC (source: EP KR US)

E01B 3/34 (2013.01 - EP US); **E01B 3/40** (2013.01 - EP US); **E01B 29/005** (2013.01 - EP US); **E01C 5/08** (2013.01 - KR); E01B 2204/06 (2013.01 - EP); E01B 2204/09 (2013.01 - EP US); E01B 2204/10 (2013.01 - EP US)

Cited by

FR3034785A1; IT201900003219A1; EP3263766A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

US 7556208 B1 20090707; AT E322579 T1 20060415; AU 7420500 A 20010510; AU 773566 B2 20040527; BG 106500 A 20021229; BG 64131 B1 20040130; BR 0014462 A 20021022; CA 2387698 A1 20010412; CN 100346033 C 20071031; CN 100570057 C 20091216; CN 1377438 A 20021030; CN 1807757 A 20060726; CZ 2002964 A3 20020814; CZ 295073 B6 20050518; DE 19948003 A1 20010412; DE 50012538 D1 20060518; EA 003179 B1 20030227; EA 200200420 A1 20021031; EE 200200177 A 20030415; EP 1218596 A1 20020703; EP 1218596 B1 20060405; ES 2260052 T3 20061101; HR P20020284 A2 20040430; HR P20020284 B1 20090531; HU P0202735 A2 20030228; IL 148754 A0 20020912; IL 148754 A 20050925; JP 2003511586 A 20030325; JP 3829091 B2 20061004; KR 100692497 B1 20070309; KR 20020047202 A 20020621; PL 208006 B1 20110331; PL 354319 A1 20040112; PT 1218596 E 20061031; SK 287688 B6 20110606; SK 4532002 A3 20021008; TR 200200900 T2 20020821; UA 71642 C2 20041215; WO 0125538 A1 20010412; YU 21502 A 20040903

DOCDB simple family (application)

US 11009800 A 20000920; AT 00962509 T 20000920; AU 7420500 A 20000920; BG 10650002 A 20020307; BR 0014462 A 20000920; CA 2387698 A 20000920; CN 00813858 A 20000920; CN 200510131098 A 20000920; CZ 2002964 A 20000920; DE 19948003 A 19991006; DE 50012538 T 20000920; EA 200200420 A 20000920; EE P200200177 A 20000920; EP 0009188 W 20000920; EP 00962509 A 20000920; ES 00962509 T 20000920; HR P20020284 A 20020404; HU P0202735 A 20000920; IL 14875400 A 20000920; JP 2001528261 A 20000920; KR 20027004192 A 20020330; PL 35431900 A 20000920; PT 00962509 T 20000920; SK 4532002 A 20000920; TR 200200900 T 20000920; UA 2002053781 A 20000920; YU P21502 A 20000920