

Title (en)  
SHUTTERING PANEL FOR CONCRETE FORMWORKS

Title (de)  
SCHALTAFEL FÜR BETONIERUNGSSCHALUNGEN

Title (fr)  
PLATEAU DE COFFRAGE POUR COFFRAGES DE BÉTON

Publication  
**EP 3327219 A1 20180530 (DE)**

Application  
**EP 17210266 A 20140709**

Priority  
• DE 102013107303 A 20130710  
• EP 14739761 A 20140709  
• EP 2014064721 W 20140709

Abstract (en)  
[origin: CA2917566A1] A formwork panel for concreting formworks which has a support structure and a separate formwork lining connected to the support structure, characterized in that the support structure consists essentially of plastics; and in that the formwork lining, which is formed by a single formwork lining element made essentially of plastics or by a plurality of formwork lining elements which are each made essentially of plastics, is detachably connected to the support structure.

Abstract (de)  
Schaltafel für Betonierungsschalungen, die eine Tragstruktur und eine gesonderte, mit der Tragstruktur verbundene Schalhaut aufweist, dadurch gekennzeichnet, dass die Tragstruktur im Wesentlichen aus Kunststoff besteht; und dass die Schalhaut, die von einem einzigen Schalhautelement im Wesentlichen aus Kunststoff oder von mehreren Schalhautelementen jeweils im Wesentlichen aus Kunststoff gebildet ist, lösbar mit der Tragstruktur verbunden ist.

IPC 8 full level  
**E04G 9/05** (2006.01); **E04G 11/08** (2006.01); **E04G 11/38** (2006.01); **E04G 11/50** (2006.01); **E04G 17/00** (2006.01); **E04G 17/02** (2006.01)

CPC (source: EA EP IL KR US)  
**E04G 9/05** (2013.01 - EA EP IL KR US); **E04G 11/08** (2013.01 - EA EP IL KR US); **E04G 11/38** (2013.01 - EA EP IL KR US);  
**E04G 11/50** (2013.01 - EA EP IL KR); **E04G 17/001** (2013.01 - EA EP IL); **E04G 17/02** (2013.01 - EA EP IL KR); **E04G 21/0463** (2013.01 - KR);  
**E04G 11/50** (2013.01 - US); **E04G 17/001** (2013.01 - US); **E04G 17/02** (2013.01 - US); **E04G 2009/028** (2013.01 - EA EP IL KR US)

Citation (search report)  
• [A] US 4150808 A 19790424 - SAWYER ROBERT D [US]  
• [A] JP H07171886 A 19950711 - UBE INDUSTRIES  
• [A] KR 20040021388 A 20040310 - AN SEUNG HAN  
• [A] DE 102011016120 A1 20121011 - REDIMA AG [CH]  
• [A] EP 1538277 A2 20050608 - GEOPLAST S P A [IT]

Cited by  
WO2020201278A1

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)  
**DE 102013107303 A1 20150115; DE 102013107303 B4 20240606**; AR 096853 A1 20160203; AR 115911 A2 20210310;  
AR 115912 A2 20210310; AU 2014289215 A1 20160204; AU 2014289215 B2 20180322; AU 2018204337 A1 20180705;  
AU 2018204337 B2 20200402; AU 2018204338 A1 20180705; AU 2018204338 B2 20200312; BR 112016000321 A2 20170725;  
BR 112016000321 B1 20220308; CA 2917566 A1 20150115; CA 2917566 C 20201103; CL 2016000012 A1 20160930;  
CN 105452580 A 20160330; CN 105452580 B 20211203; CN 113700291 A 20211126; CN 113700291 B 20240105; DK 3176347 T3 20200525;  
EA 034756 B1 20200317; EA 201690190 A1 20160531; EA 202090050 A2 20200430; EA 202090050 A3 20200731; EA 202090051 A2 20200430;  
EA 202090051 A3 20200731; EP 3019678 A1 20160518; EP 3019678 B1 20180425; EP 3173546 A1 20170531; EP 3173546 B1 20190313;  
EP 3176347 A1 20170607; EP 3176347 B1 20200226; EP 3176348 A1 20170607; EP 3176348 B1 20191218; EP 3327219 A1 20180530;  
EP 3327219 B1 20190904; ES 2680939 T3 20180911; ES 2730107 T3 20191108; ES 2759581 T3 20200511; ES 2778626 T3 20200811;  
HR P20181040 T1 20180907; HR P20191035 T1 20190906; HU E051324 T2 20210301; IL 243316 A0 20160229; IL 272984 A 20200430;  
IL 272984 B 20210831; IL 272985 A 20200430; IL 272985 B 20210831; JP 2016532026 A 20161013; JP 2020002768 A 20200109;  
JP 6574765 B2 20190911; JP 6956151 B2 20211027; KR 102129560 B1 20200703; KR 20160041897 A 20160418;  
KR 20200096259 A 20200811; KR 20200096260 A 20200811; MA 38756 A1 20161230; MA 38756 B1 20170929; MX 2016000096 A 20160803;  
MX 367877 B 20190910; MY 196236 A 20230324; NZ 715417 A 20190830; PE 20160422 A1 20160513; PH 12016502613 A1 20200309;  
PL 3019678 T3 20181130; PL 3173546 T3 20191129; RS 59630 B1 20200131; SA 516370381 B1 20220920; SG 10201707749P A 20171030;  
SG 10201707754V A 20171129; SG 11201600117W A 20160226; TR 201810172 T4 20180827; TR 201908569 T4 20190722;  
US 10465397 B2 20191105; US 10890001 B2 20210112; US 2016244984 A1 20160825; US 2020063450 A1 20200227;  
WO 2015004188 A1 20150115; ZA 201600044 B 20220330; ZA 201800304 B 20190731; ZA 201800305 B 20190731

DOCDB simple family (application)  
**DE 102013107303 A 20130710**; AR P140102536 A 20140708; AR P190102221 A 20190805; AR P190102222 A 20190805;  
AU 2014289215 A 20140709; AU 2018204337 A 20180618; AU 2018204338 A 20180618; BR 112016000321 A 20140709;  
CA 2917566 A 20140709; CL 2016000012 A 20160106; CN 201480039443 A 20140709; CN 202110952940 A 20140709;  
DK 16205457 T 20140709; EA 201690190 A 20140709; EA 202090050 A 20140709; EA 202090051 A 20140709; EP 14739761 A 20140709;  
EP 16205457 A 20140709; EP 16205463 A 20140709; EP 16205468 A 20140709; EP 17210266 A 20140709; EP 2014064721 W 20140709;  
ES 14739761 T 20140709; ES 16205463 T 20140709; ES 16205468 T 20140709; ES 17210266 T 20140709; HR P20181040 T 20180705;  
HR P20191035 T 20190607; HU E16205457 A 20140709; IL 24331615 A 20151224; IL 27298420 A 20200301; IL 27298520 A 20200301;  
JP 2016524811 A 20140709; JP 2019149718 A 20190819; KR 20167000550 A 20140709; KR 20207018621 A 20140709;  
KR 20207018622 A 20140709; MA 38756 A 20140709; MX 2016000096 A 20140709; MY P12016700053 A 20140709; NZ 71541714 A 20140709;  
PE 2015002681 A 20140709; PH 12016502613 A 20160108; PL 14739761 T 20140709; PL 16205463 T 20140709; RS P20191557 A 20140709;

SA 516370381 A 20160110; SG 10201707749P A 20140709; SG 10201707754V A 20140709; SG 11201600117W A 20140709;  
TR 201810172 T 20140709; TR 201908569 T 20140709; US 201414903971 A 20140709; US 201916672848 A 20191104;  
ZA 201600044 A 20160104; ZA 201800304 A 20180116; ZA 201800305 A 20180116