

Title (en)
HIGH-STRENGTH CONCRETE WALL FORMWORK

Title (de)
SCHALUNG MIT ERHÖHTEM WIDERSTAND FÜR BETONWAND

Title (fr)
COFFRAGE A RESISTANCE ELEVEE POUR MUR EN BETON

Publication
EP 1644592 A1 20060412 (FR)

Application
EP 03775636 A 20031126

Priority
• IB 0305541 W 20031126
• CH 18752003 A 20031103

Abstract (en)
[origin: WO2005042864A1] The aim of the present invention is to increase the stiffness of built-in formwork during positioning thereof, and assist the work of civil engineers so that they can readily determine the contribution of horizontal reinforcements while reducing the production costs thereof. This aim is achieved by means of formwork comprising two mutually facing parallel shuttering walls (1, 1') provided with profile bars forming vertical wales (2, 2') and connected via at least one hinged connecting device for holding the shuttering walls (1, 1') either at a predetermined spacing to define a space for receiving a filler material such as concrete, or in a folded position for storage and transport. The connecting device is characterised in that it includes a first straight horizontal bar (3) parallel to the first shuttering wall (1) and extending through the wales (2) of said first wall (1), and a second straight horizontal bar (3') parallel to the second shuttering wall (1') and extending through the wales (2') of said second wall (1'), wherein said second bar (3') faces the first bar (3), a plurality of connecting bars (4) perpendicularly connect the two horizontal bars (3, 3'), and said connecting bars (4) are pivotable about said horizontal bars (3, 3').

IPC 1-7
E04B 2/86

IPC 8 full level
E04B 2/86 (2006.01)

CPC (source: EP KR US)
E04B 2/86 (2013.01 - KR); **E04B 2/8635** (2013.01 - EP US); **E04B 2/8658** (2013.01 - EP US)

Citation (search report)
See references of WO 2005042864A1

Cited by
EP4001530A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005042864 A1 20050512; WO 2005042864 A8 20051215; AP 2006003598 A0 20060430; AP 2192 A 20110107; AR 047234 A1 20060111; AT E383475 T1 20080115; AU 2003283655 A1 20050519; AU 2003283655 B2 20090827; BR 0318566 A 20061010; CA 2544521 A1 20050512; CA 2544521 C 20110412; CN 100572711 C 20091223; CN 1878921 A 20061213; CY 1107356 T1 20121219; DE 60318634 D1 20080221; DE 60318634 T2 20090115; DK 1644592 T3 20080513; EA 009235 B1 20071228; EA 200600653 A1 20061027; EG 24410 A 20090520; EP 1644592 A1 20060412; EP 1644592 B1 20080109; ES 2299737 T3 20080601; IL 175208 A0 20060905; IL 175208 A 20100429; KR 100730882 B1 20070620; KR 20060070579 A 20060623; MA 28148 A1 20060901; MY 140687 A 20100115; OA 13320 A 20070413; PL 208862 B1 20110630; PL 379737 A1 20061113; PT 1644592 E 20080407; SI 1644592 T1 20080630; TN SN06125 A1 20071115; UA 82128 C2 20080311; US 2007028544 A1 20070208; US 7516589 B2 20090414; ZA 200603516 B 20070926

DOCDB simple family (application)
IB 0305541 W 20031126; AP 2006003598 A 20031126; AR P040104036 A 20041103; AT 03775636 T 20031126; AU 2003283655 A 20031126; BR 0318566 A 20031126; CA 2544521 A 20031126; CN 200380110643 A 20031126; CY 081100333 T 20080324; DE 60318634 T 20031126; DK 03775636 T 20031126; EA 200600653 A 20031126; EG NA2006000411 A 20060430; EP 03775636 A 20031126; ES 03775636 T 20031126; IL 17520806 A 20060426; KR 20067008562 A 20060502; MA 29000 A 20060503; MY PI20044544 A 20041102; OA 1200600144 A 20031126; PL 37973703 A 20031126; PT 03775636 T 20031126; SI 200331171 T 20031126; TN SN06125 A 20060503; UA A200604737 A 20031126; US 57669606 A 20060421; ZA 200603516 A 20031126