

Title (en)
Formwork for surfaces with varying curvature

Title (de)
Schalung für verschieden gekrümmte Flächen

Title (fr)
Coffrage pour surfaces à courbure variable

Publication
EP 0514712 B1 19960306 (DE)

Application
EP 92107699 A 19920507

Priority
DE 4116439 A 19910518

Abstract (en)
[origin: US5492303A] PCT No. PCT/DE92/00389 Sec. 371 Date Nov. 18, 1993 Sec. 102(e) Date Nov. 18, 1993 PCT Filed May 14, 1992 PCT Pub. No. WO92/20887 PCT Pub. Date Nov. 26, 1992. Formwork for surfaces varying in curvature has a face sheet adjustable with respect to its curvature, girders supporting the face sheet and applied to the girders, in spaced relationship to the face sheet, there is a boom system which is composed of individual boom members bridging the girders and is suitably attached to the girders at the outsides thereof averted from the face sheet. Adjustment of the curvature of the face sheet is carried out by altering the effective length of the boom members between the girders. The mutually opposed formwork elements are adapted to be braced together by means of formwork anchor ties. A crosspiece in the form of a boom member is applied to a formwork element at at least two girders and simultaneously serves as an abutment for the formwork anchor tie, the latter therefore being arranged between and having its reaction forces transferred to the two girders. The crosspiece is likewise changeable in its effective length by its fastening location being adjustable in the longitudinal direction in which the crosspiece extends and transversely to the orientation of the girder, so that the crosspiece is available as an adjustable boom member in altering the curvature of the face sheet, as well as sustaining the tension forces.

IPC 1-7
E04G 11/06

IPC 8 full level
E04G 11/04 (2006.01); **E04G 11/06** (2006.01)

CPC (source: EP US)
E04G 11/065 (2013.01 - EP US)

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FR2711705A1; ES2124105A1; FR2698648A1; CN102168488A; DE10240372A1; DE10240372B4; US6530552B2; WO2004025050A1; WO0222990A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 5492303 A 19960220; AT E135076 T1 19960315; AU 1792992 A 19921230; AU 653234 B2 19940922; BR 9206014 A 19941115; CA 2109610 A1 19921126; CA 2109610 C 20021022; CN 1052288 C 20000510; CN 1067088 A 19921216; CZ 243393 A3 19940518; CZ 281634 B6 19961113; DE 4116439 C1 19920827; DE 59205536 D1 19960411; DK 0514712 T3 19960722; DZ 1579 A1 20020217; EG 19856 A 19960630; EP 0514712 A1 19921125; EP 0514712 B1 19960306; ES 2084868 T3 19960516; FI 935088 A0 19931117; FI 935088 A 19931117; GE P20012539 B 20010925; GR 3019938 T3 19960831; HK 174896 A 19960927; HU 9302892 D0 19940328; HU T69476 A 19950928; JP 3502918 B2 20040302; JP H06507690 A 19940901; KR 100225113 B1 19991015; MA 22523 A1 19921231; MX 9202334 A 19921101; NO 179340 B 19960610; NO 179340 C 19960918; NO 934158 D0 19931117; NO 934158 L 19940117; PL 55249 Y1 19970731; RU 2087649 C1 19970820; SG 74531 A1 20000822; SK 128893 A3 19940406; SK 284020 B6 20040803; TN SN92036 A1 19930608; TR 27945 A 19951031; UA 29405 C2 20001115; WO 9220887 A1 19921126; ZA 923379 B 19930127

DOCDB simple family (application)
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