

Title (en)

Metal reinforcement for worksite realisation of reinforced concrete constructions

Title (de)

Metallbewehrung für die Herstellung von bewehrten Betonstrukturen auf der Baustelle

Title (fr)

Armature métallique pour la réalisation des structures en béton armé au chantier

Publication

EP 1624128 A1 20060208 (EN)

Application

EP 04425595 A 20040803

Priority

EP 04425595 A 20040803

Abstract (en)

The reinforcement is especially suitable for on-site realisation of large-dimension vertical structures, such as walls of sheds, buildings in general, warehouses and so on. The reinforcement comprises two electrowelded mats (1, 2) exhibiting vertical rods (1a, 2a) and horizontal rods (1b, 2b), the mats (1, 2) connected one to another by connection bars (3) which enable a reciprocal translation of the mats (1, 2) on parallel planes. The connection bars (3) are structural elements of the reinforcement and each comprises two end grommets (3a, 3b) which are wound, with a slight degree of play, on either mat (1, 2) on reciprocal horizontal rods (1b, 2b) thereof. With a single raising motion by means of a crane, the connection bars (3) enable the mats (1, 2) to be contemporaneously positioned at a correct reciprocal distance. Stop elements (4) are included to keep the connection bars (3) in a correct position and to obtain a predetermined reinforcement-outside concrete surface distance, as in a projected design for a finished wall.

IPC 8 full level

E04C 5/06 (2006.01); **E04C 5/16** (2006.01); **E04C 5/20** (2006.01)

CPC (source: EP)

E04C 5/064 (2013.01); **E04C 5/168** (2013.01); **E04C 5/203** (2013.01)

Citation (search report)

- [X] GB 212328 A 19240313 - MAJOR & COMPANY LTD, et al
- [X] GB 184050 A 19220810 - HORACE JOHN NOWLAN
- [XA] US 6691486 B1 20040217 - DURAND PHILIPPE [FR]
- [A] US 4999965 A 19910319 - SCHMIDGALL JON A [US], et al
- [A] DE 2342979 A1 19750313 - MERRETTIG PAUL
- [A] US 4989388 A 19910205 - SCHMIDGALL JON A [US], et al

Cited by

US11286633B2; CN102363994A; PL442146A1; US10344477B2; WO2011050487A3

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1624128 A1 20060208

DOCDB simple family (application)

EP 04425595 A 20040803