

Title (en)
A bar connector assembly

Title (de)
STABVERBINDERANORDNUNG

Title (fr)
Ensemble de connecteur à barre

Publication
EP 1731689 A3 20071031 (EN)

Application
EP 06011677 A 20060606

Priority
• AU 2005902914 A 20050606
• AU 2005904427 A 20050816

Abstract (en)
[origin: EP1731689A2] A connector assembly for concrete reinforcing bars comprises a seat section 21 and retainer 22 for use with the seat section 21 to connect bars having a semicircle loop at the ends. The seat section 21 is generally U-shaped and the retainer 22 is generally T-shaped. The seat section is symmetrical, the retainer is not, the bars are of uniform cross-section. A wedging action arises from the asymmetry of the retainer. The seat section has opposed lands in the form of posts 28 and 29, these posts have channels 30 and 31 which take the bar loop sections (not shown). The retainer has a central wedge 37 which, is operative to eliminate play between the bars and the parts of the connector to effectively form a rigid unit. This is accomplished by reason of the complex wedge action arising from a first wedge region adjacent the front at 38 on opposite sides of the wedge 37 and a second wedge region 39 which comprises a curved continuation of the wedge region 38 and a third wedge region at 40. Thus the first region tends to spread the bars while the second and third wedge regions tend to lift the bars.

IPC 8 full level
E04C 5/16 (2006.01)

CPC (source: EP US)
E04B 1/046 (2013.01 - EP US); **E04C 5/163** (2013.01 - EP US)

Citation (search report)
[DXA] WO 2004111362 A1 20041223 - UNDERWOOD DANIEL CHARLES [AU]

Cited by
KR102444112B1; KR102463295B1

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

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1731689 A2 20061213; EP 1731689 A3 20071031; AU 2006202398 A1 20061221; AU 2006202398 B2 20120202; NZ 547709 A 20080630; US 2006272270 A1 20061207

DOCDB simple family (application)
EP 06011677 A 20060606; AU 2006202398 A 20060606; NZ 54770906 A 20060606; US 44715106 A 20060606