

Title (en)

Machine for semi-automatic or automatic assembly of circular armature for concrete reinforcement

Title (de)

Maschine zur halbautomatischen oder automatischen Montage runder Bewehrungskörbe für Beton

Title (fr)

Machine pour l'assemblage semi-automatique ou automatique d'armature circulaire de renforcement du béton

Publication

**EP 2196271 A2 20100616 (EN)**

Application

**EP 09386033 A 20091204**

Priority

GR 20080100776 A 20081208

Abstract (en)

The Machine for Semi-Automatic or Automatic Assembly of Circular Armature for Concrete Reinforcement, vertically, at its sides, bears bases (5) that have the mountings (6); at each mounting (6) a housing for the holding of the circular shapes (10) is adjusted; on the right and on the left side of the base (5) and upon the mountings (6) a pair of caterpillars (13) is adjusted; adjacently of each base (5) a pillar (14) with lever (15) is placed, that executes rotating motion up to 180°; the complete rotation of the pillar is accomplished via the hoop (3); the straight rods (24) are placed onto telescopic bars (25). The straight rods (24) advance procedure is achieved via automatic advance system (29); the rods are welded at the circular shapes by use of welding heads (30) which are mounted on telescopic braces (32) and are displaced via carriers (34); at the carriers (36) straightening roll-units (39) that bear welding heads for the spiral (43) are placed; for the holding of the armature pillar on the braces (42), a caterpillar (45) is adjusted. The iron coils are placed on immovable pay-offs (37).

IPC 8 full level

**B21F 27/10** (2006.01); **B21F 27/12** (2006.01)

CPC (source: EP GR)

**B21F 27/08** (2013.01 - EP GR); **B21F 27/10** (2013.01 - EP GR); **B21F 27/122** (2013.01 - GR); **B21F 27/124** (2013.01 - EP GR); **B21F 27/125** (2013.01 - GR)

Cited by

CN108787966A; CN102211130A; CN113482362A; CN112243395A; CN104624872A; CN104646574A; CN110605348A; CN115803128A; US11684966B2; WO2019233981A1

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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DOCDB simple family (application)

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