

Title (en)

APPARATUS FOR AND METHOD OF MANUFACTURING METAL CAGES FOR CONICAL PILLARS

Title (de)

VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG VON METALLKÄFIGEN FÜR KONISCHE SÄULEN

Title (fr)

APPAREIL ET PROCÉDÉ POUR FABRIQUER DES CAGES MÉTALLIQUES POUR DES PILIERS CONIQUES

Publication

EP 2996827 A1 20160323 (EN)

Application

EP 14732960 A 20140519

Priority

- IT BO20130229 A 20130517
- IT BO20130452 A 20130807
- IB 2014061538 W 20140519

Abstract (en)

[origin: WO2014184787A1] The apparatus for making metal cages (2) for conical pillars, the cages being made by a series of longitudinal bars (3), arranged according to a predetermined circular geometrical shape about a longitudinal axis (A), and fixed through the fixing of at least one metal wire (4), wound in spiral on the same bars (3) through the combination of a rotation motion about an axis coinciding with the longitudinal axis (A) of the cage (2) being manufactured and a shifting motion, comprises a first support head (10) suitable to support respective further portions of the bars (3), a second support head (20) suitable to support respective further portions of the bars (3), a radial handling unit (30), suitable to carry out the controlled radial displacement of the supported bars (3), so as to allow the progressive positioning of the bars (3) according to a shape convergent towards the longitudinal axis (A) and therefore the manufacturing of the conical metal cage.

IPC 8 full level

B21F 27/12 (2006.01)

CPC (source: EP)

B21F 27/124 (2013.01)

Citation (search report)

See references of WO 2014184787A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2014184787 A1 20141120; WO 2014184787 A4 20150129; EP 2996827 A1 20160323

DOCDB simple family (application)

IB 2014061538 W 20140519; EP 14732960 A 20140519