

Title (en)

RIBBED FOUNDATION FOR SUPERSTRUCTURES AND METHOD FOR PRODUCING THE FOUNDATION

Title (de)

GERIPPTES FUNDAMENT FÜR AUFBAUTEN UND VERFAHREN ZUR HERSTELLUNG DES FUNDAMENTS

Title (fr)

FONDATION NERVURÉE DE SUPER-STRUCTURES ET PROCÉDÉ DE RÉALISATION DE LA FONDATION

Publication

EP 2886723 A1 20150624 (EN)

Application

EP 13800718 A 20130606

Priority

- ES 201230877 A 20120606
- ES 201330083 A 20130125
- ES 2013070367 W 20130606

Abstract (en)

The present invention relates to a reinforced-concrete foundation system for erecting superstructures that transmit high axial loads, shearing forces and/or flexural moments at individual points, such as, for example, wind turbines. The foundation that is the subject matter of the present invention is formed by an upper reinforced-concrete slab poured "in situ", of polygonal or circular footprint, and which is made rigid at the bottom by means of reinforced-concrete ribs of rectangular or trapezoidal cross section which are arranged radially. The method makes provision for said ribs to be produced from concrete "in situ" or, alternatively, by means of prefabricated elements, always working jointly with the upper slab. This new foundation considerably reduces the costs of forming traditional foundations for this type of superstructure, by considerably improving completion deadlines.

IPC 8 full level

E02D 27/42 (2006.01)

CPC (source: CN EP US)

E02D 27/016 (2013.01 - US); **E02D 27/02** (2013.01 - US); **E02D 27/08** (2013.01 - US); **E02D 27/42** (2013.01 - CN EP US);
E02D 27/425 (2013.01 - EP US)

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)

US 2015121784 A1 20150507; AU 2013273463 A1 20150122; AU 2013273463 B2 20170615; CA 2875927 A1 20131212;
CL 2014003338 A1 20150724; CN 104603367 A 20150506; CN 104603367 B 20180213; DK 2886723 T3 20170619; EP 2886723 A1 20150624;
EP 2886723 A4 20161116; EP 2886723 B1 20170315; HR P20170901 T1 20171020; MX 2014014991 A 20151106; MX 349972 B 20170823;
PL 2886723 T3 20171031; PT 2886723 T 20170608; WO 2013182728 A1 20131212; ZA 201409032 B 20151223

DOCDB simple family (application)

US 201314406114 A 20130606; AU 2013273463 A 20130606; CA 2875927 A 20130606; CL 2014003338 A 20141205;
CN 201380041624 A 20130606; DK 13800718 T 20130606; EP 13800718 A 20130606; ES 2013070367 W 20130606;
HR P20170901 T 20170613; MX 2014014991 A 20130606; PL 13800718 T 20130606; PT 13800718 T 20130606; ZA 201409032 A 20141209