

Title (en)

METHOD FOR REPLACING A TRANSFORMER IN A WIND ENERGY INSTALLATION

Title (de)

VERFAHREN ZUM AUSTAUSCHEN EINES TRANSFORMATORS EINER WINDENERGIEANLAGE

Title (fr)

PROCÉDÉ POUR REMPLACER UN TRANSFORMATEUR D'UNE ÉOLIENNE

Publication

EP 2625130 A1 20130814 (DE)

Application

EP 11764201 A 20111004

Priority

- DE 102010041940 A 20101004
- EP 2011067311 W 20111004

Abstract (en)

[origin: CA2811114A1] What is provided is: a method for replacing a generator of a wind energy installation. In this case, the generator is provided in the interior of a tower of a wind energy installation and the tower (140) has a door opening (150). A replacement crossbeam (300) is fastened, via a first stop point (310), to a crane hook of a mobile crane (500). A first end of the replacement crossbeam (300) is inserted with a second stop point (320) through the door opening (150) into the tower (140). The transformer (220) to be replaced is fixed to the second stop point (320) of the first end (300). A compensating weight (400) is fixed to the second stop point (320) at the second end of the replacement crossbeam (300). The second end of the replacement crossbeam (300) is tipped or inclined until the transformer is at the height of the door opening (150), and the crane hook is moved until the transformer to be replaced is located outside the door opening (150).

IPC 8 full level

B66C 1/10 (2006.01)

CPC (source: EP KR US)

B66C 1/105 (2013.01 - EP KR US); **B66C 1/108** (2013.01 - EP KR US)

Citation (search report)

See references of WO 2012045741A1

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

DOCDB simple family (publication)

DE 102010041940 A1 20120405; DE 102010041940 B4 20120816; AU 2011311656 A1 20130411; AU 2011311656 B2 20140814; BR 112013006728 A2 20160614; CA 2811114 A1 20120412; CA 2811114 C 20150901; CL 2013000897 A1 20131220; CN 103140430 A 20130605; CN 103140430 B 20141210; CY 1117903 T1 20170517; DK 2625130 T3 20160822; EP 2625130 A1 20130814; EP 2625130 B1 20160518; ES 2582881 T3 20160915; HR P20160883 T1 20160923; HU E028872 T2 20170130; JP 2013543075 A 20131128; JP 5686902 B2 20150318; KR 101526777 B1 20150605; KR 20130075778 A 20130705; ME 02435 B 20160920; MX 2013003231 A 20130624; NZ 608454 A 20150731; PL 2625130 T3 20170331; PT 2625130 T 20160818; RS 55059 B1 20161230; RU 2013120279 A 20141120; RU 2533764 C1 20141120; SI 2625130 T1 20160831; TW 201233898 A 20120816; TW I461604 B 20141121; US 2013259633 A1 20131003; US 9027975 B2 20150512; WO 2012045741 A1 20120412; ZA 201301959 B 20131127

DOCDB simple family (application)

DE 102010041940 A 20101004; AU 2011311656 A 20111004; BR 112013006728 A 20111004; CA 2811114 A 20111004; CL 2013000897 A 20130403; CN 201180048015 A 20111004; CY 161100720 T 20160722; DK 11764201 T 20111004; EP 11764201 A 20111004; EP 2011067311 W 20111004; ES 11764201 T 20111004; HR P20160883 T 20160715; HU E11764201 A 20111004; JP 2013532171 A 20111004; KR 20137011374 A 20111004; ME P12916 A 20111004; MX 2013003231 A 20111004; NZ 60845411 A 20111004; PL 11764201 T 20111004; PT 11764201 T 20111004; RS P20160670 A 20111004; RU 2013120279 A 20111004; SI 201130881 A 20111004; TW 100135927 A 20111004; US 201113877437 A 20111004; ZA 201301959 A 20130315