

Title (en)  
ENERGY GENERATION PLANT, DRIVEN BY WIND OR WATER CURRENTS

Title (de)  
ENERGIEERZEUGUNGSANLAGE, ANGETRIEBEN DURCH EINE WIND- ODER WASSERSTRÖMUNG

Title (fr)  
INSTALLATION DE PRODUCTION D'ÉNERGIE ENTRAÎNÉE PAR UN FLUX D'AIR OU D'EAU

Publication  
**EP 2087234 A2 20090812 (DE)**

Application  
**EP 07846774 A 20071123**

Priority  
• EP 2007010173 W 20071123  
• DE 102007003618 A 20070118

Abstract (en)  
[origin: CA2676013A1] The invention relates to an energy generation plant for obtaining electric energy from a wind or water current, comprising: a turbine; an electric generator with a coaxial arrangement of the rotor and stator, the rotor being an external rotor and forming part of an annular supporting structure for the turbine and the stator being held in a stator housing that is sealed off from the surrounding medium. A wall region of the sealed stator housing runs in the vicinity of the gap between the rotor and the stator in such a way that the rotor lies radially outside the sealed stator housing and the magnetic interaction between the rotor and the stator takes place through said wall region; a bearing for the annular supporting structure which comprises the rotor, said bearing bordering the gap between the rotor and the stator and being supported on the outer periphery of the sealed stator housing.

IPC 8 full level  
**F03D 9/00** (2006.01); **F03B 11/06** (2006.01); **F03D 11/00** (2006.01); **F03D 11/04** (2006.01)

CPC (source: EP KR US)  
**F03B 11/06** (2013.01 - EP KR US); **F03D 9/008** (2013.01 - EP KR US); **F03D 9/25** (2016.05 - EP KR US); **F03D 15/20** (2016.05 - EP KR US); **F03D 80/70** (2016.05 - EP KR US); **F16C 17/14** (2013.01 - EP KR US); **F16C 33/6692** (2013.01 - EP KR US); **H02K 7/1838** (2013.01 - EP KR US); **F05B 2220/70642** (2013.01 - EP KR US); **F05B 2220/7068** (2013.01 - EP KR US); **F05B 2240/50** (2013.01 - EP KR US); **F05B 2240/53** (2013.01 - EP KR US); **F05B 2260/205** (2013.01 - EP KR US); **F05B 2260/74** (2013.01 - EP KR US); **F05B 2270/109** (2013.01 - EP KR US); **F16C 2210/10** (2013.01 - EP KR); **Y02E 10/20** (2013.01 - KR US); **Y02E 10/72** (2013.01 - KR US)

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 MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**DE 102007003618 A1 20080724**; CA 2676013 A1 20080724; CA 2676013 C 20141118; EP 2087234 A2 20090812; KR 101460123 B1 20141110; KR 20090100432 A 20090923; TW 200835852 A 20080901; TW I401360 B 20130711; US 2010052325 A1 20100304; US 8436483 B2 20130507; WO 2008086839 A2 20080724; WO 2008086839 A3 20081120

DOCDB simple family (application)  
**DE 102007003618 A 20070118**; CA 2676013 A 20071123; EP 07846774 A 20071123; EP 2007010173 W 20071123; KR 20097016121 A 20071123; TW 96149647 A 20071224; US 44895607 A 20071123