

Title (en)  
DEVICE FOR RECOVERING SWELL ENERGY

Title (de)  
VORRICHTUNG ZUR GEWINNUNG VON ENERGIE AUS WELLEN

Title (fr)  
DISPOSITIF DE RECUPERATION DE L'ENERGIE DE LA HOULE

Publication  
**EP 2539580 A1 20130102 (FR)**

Application  
**EP 11704796 A 20110224**

Priority  
• FR 1051388 A 20100226  
• EP 2011052725 W 20110224

Abstract (en)  
[origin: WO2011104294A1] The invention relates to a device for recovering swell energy at sea, wherein said device consists of a floating structure including: a rigid structural member (1) that is maintained at a floating state using at least one buoy or so-called structural float (2, 2'); and at least one float (3, 3') that is mobile relative to the structural member and is capable of interaction with a means for generating power (4; 14, 15, 16) from the swell movement, said means (4; 14, 15, 16) being attached to the structural member. According to the invention, at least one mobile float (3, 3') is connected to the structural member by at least one rigid arm (5, 5') rotatably mounted about an axis substantially parallel to the surface of the sea, and said power generation means (4; 14, 15, 16) is directly or indirectly connected to said rigid arm.

IPC 8 full level  
**F03B 13/20** (2006.01)

CPC (source: EP KR US)  
**F03B 13/14** (2013.01 - KR); **F03B 13/1815** (2013.01 - EP US); **F03B 13/187** (2013.01 - EP US); **F03B 13/20** (2013.01 - EP KR US); **F03B 17/02** (2013.01 - KR); **F05B 2240/40** (2013.01 - EP US); **F05B 2240/93** (2013.01 - EP US); **F05B 2260/406** (2013.01 - EP US); **F05B 2260/50** (2013.01 - EP US); **Y02E 10/20** (2013.01 - EP); **Y02E 10/30** (2013.01 - EP US)

Citation (search report)  
See references of WO 2011104294A1

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)  
**WO 2011104294 A1 20110901**; CN 102834604 A 20121219; EP 2539580 A1 20130102; FR 2956879 A1 20110902; FR 2956879 B1 20120518; KR 20120132633 A 20121206; US 2013055707 A1 20130307

DOCDB simple family (application)  
**EP 2011052725 W 20110224**; CN 201180018510 A 20110224; EP 11704796 A 20110224; FR 1051388 A 20100226; KR 20127024631 A 20110224; US 201113581408 A 20110224