

Title (en)

Protection device, offshore support platform and offshore wind turbine generator system

Title (de)

Schutzvorrichtung, Offshore-Stützplattform und Offshore-Windturbinen-Generatorsystem

Title (fr)

Dispositif de protection, plate-forme de support en mer et système d'aérogénérateur en mer

Publication

EP 2573273 A1 20130327 (EN)

Application

EP 12185464 A 20120921

Priority

CN 201110285627 A 20110923

Abstract (en)

A protection device for an offshore support platform (1), comprising at least two protection rings (3) arranged with top and bottom spacing, the protection rings are configured to surround the periphery of the support columns (2) of the offshore support platform. An offshore support platform, comprising a support platform (1) and a support column (2), the upper end of the support column is connected to the support platform, the lower end of the support column is inserted into the seabed; the offshore support platform further comprises the aforementioned protection device, and the protection rings (3) of the protection device are connected to the support column. In the protection device and offshore support platform according to the present invention, the interaction between the protection rings (3) and a wave can change the motion of water particles, thus significantly reducing the height of wave, reducing the energy of wave, and thereby weakening intensity of wave load on the support column of the offshore support platform and improving the stability of offshore support platform and operation safety of offshore wind turbine generator system.

IPC 8 full level

E02B 17/00 (2006.01)

CPC (source: EP US)

E02B 17/003 (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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