

Title (en)

SYSTEMS, METHODS AND ASSEMBLIES FOR SUPPLYING POWER TO AN OFFSHORE FACILITY

Title (de)

SYSTEME, VERFAHREN UND ANORDNUNGEN ZUR STROMVERSORGUNG EINER OFFSHORE-ANLAGE

Title (fr)

SYSTÈMES, PROCÉDÉS ET ENSEMBLES POUR FOURNIR DE L'ÉNERGIE À INSTALLATION AU LARGE DES CÔTES

Publication

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Application

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Abstract (en)

[origin: WO2012125393A2] The present invention is directed to processes and systems that use wave energy to drive one or more air turbines associated with an offshore facility, wherein such turbines can generate electrical power for use on the offshore facility and/or adjacent facilities and equipment. The offshore facility can be an offshore platform or a floating vessel. The turbine can be housed within a structural member of the facility or a tubular member suspended from the facility. The turbine can also be housed within a tubular member connected to a structural member of the facility.

IPC 8 full level

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Citation (search report)

- [XY] GB 2325964 A 19981209 - YOULTON RODNEY GRAHAM [GB]
- [X] US 4533292 A 19850806 - SUGIHARA MASAHIRO [JP], et al
- [XY] US 2010320765 A1 20101223 - FOLCHERT JOERG [DE], et al
- [X] US 4719754 A 19880119 - NISHIKAWA KOICHI [JP]
- See references of WO 2012125393A2

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DOCDB simple family (application)

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