

Title (en)
SUBMERGED BEARING SYSTEM FOR TURRET MOORED VESSEL

Title (de)
UNTERWASSERLAGERSYSTEM FÜR EIN VERTÄUTES TURMWASSERFAHRZEUG

Title (fr)
SYSTÈME DE PALIER IMMERGÉ POUR NAVIRE AMARRÉ PAR TOURELLE

Publication
EP 2822848 B1 20170503 (EN)

Application
EP 13707859 A 20130305

Priority

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- EP 2013054383 W 20130305
- EP 13707859 A 20130305

Abstract (en)
[origin: WO2013131903A1] An offshore system which includes a vessel hull (2) provided with a moonpool (6) in the form of vertical cylinder through the hull (2) which is open at least at keel level, a cylindrical shaped turret (4) placed within the moonpool opening and rotatable hold within the moonpool (6) via a bearing system consisting of at least one submerged bearing that is placed in the submerged part of the annulus formed between the moonpool (6) and the turret (4), and mooring lines that are connected to the lower part of the turret (4) and to the seabed, so that the vessel (1) can weathervane around the turret (4) when the vessel (1) is moored offshore, characterized in that, within the annulus in the submerged moonpool (6) part both the turret (4) and moonpool (6) are provided with extensions that imbricate each other in which fluid or gas can be trapped so to create a dry area for the submerged bearing.

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