

Title (en)  
OFFSHORE CHARGING STATION

Title (de)  
OFFSHORE-LADESTATION

Title (fr)  
STATION DE CHARGE EN MER

Publication  
**EP 4193445 A1 20230614 (EN)**

Application  
**EP 21700461 A 20210111**

Priority  
IB 2021050161 W 20210111

Abstract (en)  
[origin: WO2022149000A1] The invention relates to an offshore charging station (OCS) for water vessels at least partially electrically driven comprising one or more chargers with one or more charging interfaces for wired/wireless static/dynamic charging/discharging and supported by various supporting constructions. The OCS may further comprise charging interface mounts, marine engineering constructions, facilities, operational security control elements, thermal management systems, marine attachments, payment terminals. The OCS may be part of a cloud-based communication system, a hydrogen powering system, a marine fuelling system, a marine rechargeable power source system comprising a rechargeable power source, a source management system, a buoyant or a nonbuoyant container, a charging interface, a mobility device, a payment terminal, a thermal management system, a power source. The OCS and the marine rechargeable power source may provide data transmissions and may be provided in a modular system. An offshore swapping method using the marine rechargeable power source is proposed.

IPC 8 full level  
**H02J 7/00** (2006.01); **B60L 53/30** (2019.01); **B60L 53/80** (2019.01); **H02J 7/02** (2016.01); **H02J 50/00** (2016.01)

CPC (source: EP)  
**B60L 53/30** (2019.01); **H02J 7/00032** (2020.01); **H02J 7/0042** (2013.01); **H02J 7/02** (2013.01); **H02J 50/00** (2016.02); **B60L 2200/32** (2013.01)

Citation (search report)  
See references of WO 2022149000A1

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

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2022149000 A1 20220714**; EP 4193445 A1 20230614

DOCDB simple family (application)  
**IB 2021050161 W 20210111**; EP 21700461 A 20210111