

Title (en)

DEVICE FOR DEVELOPING HABITATS IN THE UNDERWATER AREA OF AN OFFSHORE CONSTRUCTION

Title (de)

VORRICHTUNG ZUR HABITATERSCHLIESSUNG IM UNTERWASSERBEREICH EINES OFFSHORE-BAUWERKS.

Title (fr)

DISPOSITIF DESTINÉ À CRÉER UN HABITAT DANS LA PARTIE SOUS-MARINE D'UN OUVRAGE EN MER

Publication

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Application

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Abstract (en)

[origin: WO2011147400A2] Known devices having climbing aids do not have sufficient attractiveness for walking hard epifauna, such as lobsters and crabs. Therefore, the device (01) according to the invention has climbing aids (08) in the form of guide profiles (09), which are fastened to the offshore construction (02) in the vertical, horizontal, and/or diagonal direction at least in some sections and/or continuously. The guide profiles (09) are preferably designed as rib-shaped flat profiles (10) and further structured by flat transverse profiles (12), which are also used for horst formation. The flat profiles (10) can be made of construction steel and are simply welded to the offshore construction (2) during production or installation. The guide profiles (09) can also form circumferential one-piece or multi-piece spirals. Structural collars (17) having nets (18) or grates (20) arranged between two apparent, annular guide profiles (15) can also be formed. In addition, pipe elements (24) and connecting elements (25) can be provided in order to further improve the attractiveness. By means of the device (01) according to the invention, artificial offshore constructions (02), such as wind turbines, can be sustainably developed in the underwater area (32) as additional living space for vagile hard epifauna and efficiently used in a secondary manner.

IPC 8 full level

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Citation (search report)

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