

Title (en)
UNDERWATER CLEANING DEVICE FOR MARINE LIFE ON SEALING SURFACE OF GATE, AND DEVICE COMBINATION AND CLEANING METHOD

Title (de)
UNTERWASSERREINIGUNGSEINRICHTUNG FÜR MEERESLEBEN AUF DER VERSIEGELUNGSFLÄCHE EINES TORES SOWIE GERÄTEKOMBINATION UND REINIGUNGSVERFAHREN

Title (fr)
DISPOSITIF DE NETTOYAGE SOUS-MARIN POUR LA VIE MARINE SUR UNE SURFACE D'ÉTANCHÉITÉ D'UNE PORTE, ET COMBINAISON DE DISPOSITIF ET PROCÉDÉ DE NETTOYAGE

Publication
EP 4035784 A4 20221221 (EN)

Application
EP 20892652 A 20200518

Priority
• CN 201911210063 A 20191129
• CN 2020090859 W 20200518

Abstract (en)
[origin: EP4035784A1] An underwater cleaning device (100) for marine life on the sealing surface of a gate, the device being used for cleaning marine life attached to the sealing surface of a gate of a building structure (200). The cleaning device comprises a main structure (1), a cleaning structure installed on the main structure (1) and a rigging structure (3) fixed to the main structure (1). The rigging structure (3) is used to connect to a lifting device so as to drive the cleaning structure to move to a corresponding position on the sealing surface of the gate. The cleaning structure is used for cleaning the marine life on the sealing surface of the gate when the cleaning structure moves to the corresponding position on the sealing surface of the gate. The rigging structure (3) is connected to the lifting device, so that when the cleaning device is moved to the corresponding position on the sealing surface of the gate by means of the lifting device, the cleaning structure can clean marine life. Not only are the problems of the efficiency of the cleaning manner of a diver being low and potential personal safety hazards avoided, but the problem of the movement stability of magnetic adsorption being poor is also obsolete.

IPC 8 full level
E02B 8/00 (2006.01); **B08B 3/02** (2006.01); **B66C 1/16** (2006.01); **B66C 1/66** (2006.01); **B63B 59/08** (2006.01); **E02B 7/54** (2006.01)

CPC (source: CN EP)
B08B 3/02 (2013.01 - CN); **B08B 3/024** (2013.01 - EP); **B08B 13/00** (2013.01 - CN); **B66C 1/12** (2013.01 - CN); **B66C 1/16** (2013.01 - EP); **B66C 1/66** (2013.01 - EP); **E02B 8/00** (2013.01 - EP); **B08B 2203/0288** (2013.01 - EP); **B63B 2059/087** (2013.01 - EP); **E02B 7/54** (2013.01 - EP)

Citation (search report)
• No further relevant documents disclosed
• See references of WO 2021103438A1

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