

Title (en)
DYNAMIC AND STATIC SUBMARINE CABLE WITH CONTINUOUS WIRE CORE AND PRODUCTION METHOD THEREFOR

Title (de)
DYNAMISCHES UND STATISCHES UNTERWASSERKABEL MIT DURCHGEHENDER DRAHTSEELE UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
CÂBLE SOUS-MARIN DYNAMIQUE ET STATIQUE DOTÉ D'UNE ÂME EN FIL MÉTALLIQUE CONTINU ET SON PROCÉDÉ DE FABRICATION

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EP 4163933 A1 20230412 (EN)

Application
EP 20945294 A 20201105

Priority
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• CN 2020126783 W 20201105

Abstract (en)
A dynamic and static submarine cable with a continuous wire core (10), the submarine cable having the continuous wire core (10), a static section (11), a dynamic section (12), and a transition section (13) positioned between the static section (11) and the dynamic section (12), wherein an inner jacket (101) is formed on the exterior of the wire core (10) through extrusion, and a part of the inner jacket (101) which is positioned at the transition section (13) is selected and marked as a transition point (131); armored steel wires are twisted on the inner jacket (101) to form at least one inner armored layer, and the position on the inner armored layer corresponding to the transition point (131) is marked; and the armored steel wires are twisted from the dynamic section (12) to the transition section (13) to form at least one outer armored layer, the outer armored layer extends to the transition section (13), the inner armored layer and the outer armored layer are cut off at the transition point (131), and the parts of the inner armored layer and the outer armored layer at the transition section (13) are combined to install a sealing assembly. Further provided is a production method for the dynamic and static submarine cable with the continuous wire core (10), wherein the wire core (10) is continuously produced, the armored layer and a jacket layer are formed outside the wire core (10), the armored steel wires of the armored layer are cut off at the transition section (13), and the sealing assembly (20) is installed in a matching manner.

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