

Title (en)
SUBMARINE CABLE AND MANUFACTURING METHOD THEREFOR

Title (de)
UNTERWASSERKABEL UND HERSTELLUNGSVERFAHREN DAFÜR

Title (fr)
CÂBLE SOUS-MARIN ET SON PROCÉDÉ DE FABRICATION

Publication
EP 4199007 A4 20240313 (EN)

Application
EP 21908404 A 20210415

Priority
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• CN 2021087591 W 20210415

Abstract (en)
[origin: EP4199007A1] The invention provides a submarine cable and a method for manufacturing the same, relates to the field of cable technologies and is directed to solve the technical problem of poor bendability, flexibility and electrical performance of the submarine cable. The submarine cable includes a submarine cable section and a landing cable section, where the submarine cable section includes a first conductor, the first conductor includes n first monofilament layers, the landing cable section includes a second conductor, and the second conductor includes m second monofilament layers, the m second monofilament layers are divided into n second welding monofilament layers and h second winding monofilament layers; the n first monofilament layers are welded to the n second welding monofilament layers in a one-to-one relationship; and the h second winding monofilament layers are, sequentially from inside to outside in the radial direction of the submarine cable, wound outside an outermost layer of the n first monofilament layers. The submarine cable and the method for manufacturing the same provided by the invention are directed to improve the bendability, flexibility and electrical performance of the submarine cable.

IPC 8 full level
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Citation (search report)
• [IY] JP 2012022820 A 20120202 - VISCAS CORP, et al
• [YA] CN 110993154 A 20200410 - ZHONGTIAN TECHNOLOGY SUBMARINE CABLES CO LTD, et al
• [A] CN 102664380 A 20120912 - ZHONGTIAN TECHNOLOGIES CO LTD
• See also references of WO 2022134392A1

Designated contracting state (EPC)
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