

Title (en)

MULTI-CORE DIRECT-CURRENT SUBMARINE CABLE AND METHOD FOR PRODUCING SAME

Title (de)

MEHRADRIGES GLEICHSTROMUNTERSEEKABEL UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

CÂBLE SOUS-MARIN À COURANT CONTINU MULTI-ÂME ET SON PROCÉDÉ DE PRODUCTION

Publication

EP 4152346 A1 20230322 (EN)

Application

EP 20935489 A 20200628

Priority

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Abstract (en)

Disclosed are a multi-core submarine cable and a method for producing same. The multi-core direct-current submarine cable comprises: two identical polar electric units (11, 12), an additional electric unit assembly (13), several filling strips (15), a belt (161), a cushion layer (162), an armored layer (163), and an outer protective layer (164). The outer diameter of the cross-section of the additional electric unit assembly is the same as the outer diameter of the cross-section of each polar electric unit; the two polar electric units and the additional electric unit assembly are twisted together, and are sequentially provided with the belt, the cushion layer, the armored layer and the outer protective layer wrapped around same; and the several filling strips are disposed in gaps between the two polar electric units and the belt and between the additional electric unit assembly and the belt. The multi-core direct-current submarine cable is conducive to saving laying costs and laying time, and the problem of roundness of electric units with different outer diameters can be effectively solved. In the method for producing the multi-core direct-current submarine cable, the two polar electric units and the additional electric unit assembly are twisted by means of gravity in a vertical direction, and twisting of the multi-core direct-current submarine cable can be stably and efficiently achieved.

IPC 8 full level

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