

Title (en)

CABLE DRUM PRODUCED FROM ONE OR MORE MATERIALS WITHOUT ARC WELDING

Title (de)

KABELTROMMEL AUS EINEM ODER MEHREREN MATERIALIEN OHNE LICHTBOGENSCHWEISSEN

Title (fr)

TAMBOUR DE CÂBLE PRODUIT À PARTIR D'UN OU DE PLUSIEURS MATÉRIAUX SANS SOUDURE À L'ARC

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Application

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Abstract (en)

[origin: WO2020035708A1] The subject of the invention is a cable drum established from one or more materials without arc welding, which solution allows the simple and easy assembling and fixing of components of the cable drum made from various materials, and it is possible to omit the use of seams of arc welding at the connections of the metal parts of the cable drum. Cable drum created from one or more materials without arc welding, which consists of side walls that contain bushings, winding space bordered by core element, and a spacer tube located within the core element. It is characterised by that, the cable drum (1) has two rims (8) having diameter "d" with radially aligned grooves (7) having width V, which are formed in a torus shape or out of a torus shape along its external perimeter, and it has a bushing (4) containing the grooves (7) in a shape locking manner having height H along the perimeter with diameter D1, where the connecting lugs (10) of the radially aligned connecting rings (9) that are attached to the internal surface of both ends of the cylindrical core element (3) in the side walls (2) having ring shape with diameter D, are fixed with their upper parts having height "m" into the nests (24) having height H2 at this point of the grooves (7), where $H2 > m$, and in this way the side walls (2) and the core element (3) create the winding space (6), while the cylindrical spacer tube is fixed in a shape locking manner to the internal surfaces of bushings (4) of the side walls (2).

IPC 8 full level

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