

Title (en)

PRECOMPRESSED STEEL TUBE, ESPECIALLY ADAPTED FOR ANCHOR LINES USED IN TENSION LEG PLATFORMS, METHOD FOR HANDLING AND POSITIONING OF SUCH TUBES AND PLATFORM USING THEM

Publication

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Application

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Priority

FR 8705115 A 19870410

Abstract (en)

[origin: US4923337A] According to the invention a steel tube is prestressed longitudinally. This prestress is advantageously exerted by cables (20) extending along the tube (10) either inside the tube or outside the tube, and prevented from moving transversely relative to the tube, said cables being constituted by fibers (of glass, of carbon, or of other inorganic materials), having a breaking strength which is greater than that of steel. Such a structure is particularly applicable to anchoring a taut line type oil production platform (200) at sea. In this case, the advantages of inorganic fibers and of steel are combined, thereby taking advantage of the very high breaking strength in traction of the fibers in order to prestress the steel which can then be subjected to much lower stress than the fibers, thus considerably reducing the elongation of the anchor lines.

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