

Title (en)

LIFTING METHOD FOR A MULTISECTIONAL MAST, MEANS FOR CARRYING OUT THE METHOD AND MASTS WITH THESE MEANS

Publication

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Application

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Abstract (en)

[origin: US4785592A] The invention relates to multi-element masts and a method of raising a multi-element mast by adding successive elements wherein a direction of traction (15) to be exerted by at least one operator on the free portion (16) of a tieline (8) emerging from a support plate (7) that enables raising the mast elements by the ascending movement of the plate (7) is defined and on a locking device (18) is fixed with respect to a mast guide shaft (4) and allows the portion of the tieline (8) emerging from the support plate (7) to unwind when the support plate is engaged and the tieline is pulled in the defined direction of traction (15). The locking device also permits locking of the tieline (8) against translation in the direction opposite the direction of traction previously defined, substantially at the end of any traction action. A traction device (20) is provided which includes at least one handle element (21) enabling it to be grasped by at least one operator and at least one locking device (22), which, symmetrically to the locking device fixed to the mast guide shaft (4), first, enables locking the traction device (20) via the bias of the locking means against translation on the tieline when the operator(s) urges the tieline in the predefined traction direction (15), and, second, enables free sliding of the traction device on the tieline (8) when the operator(s) suitably holding the free end (11) of the tieline (8) tends to displace the traction device on the tieline (8) in the opposite direction from the defined traction direction (15).

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