

Title (en)

AUTOMATIC MACHINE FOR TYING A KNOT USING A STRING END OF A TUBULAR SLEEVE FOR SEALING SAME BY CONSTRICTION WHEN THE KNOT IS TIGHTENED

Title (de)

AUTOMATISCHE MASCHINE ZUM BILDEN EINES KNOTENS UNTER VERWENDUNG EINES BINDFADENENDES EINER RÖHRENFÖRMIGEN HÜLLE ZU IHREM VERSCHLIESSEN DURCH EINSCHNÜREN BEIM FESTZIEHEN DES KNOTENS

Title (fr)

MACHINE AUTOMATIQUE POUR LA FORMATION D'UN NOEUD A L'AIDE D'UNE FICELLE EN EXTREMITÉ D'UNE GAINÉ TUBULAIRE EN VUE DE L'OBTURER PAR CONSTRICTION SOUS L'EFFET DU SERRAGE DU NOEUD

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Application

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Abstract (en)

[origin: WO2006053909A1] The invention concerns a machine for tying a knot using a string on a tubular sleeve comprising in particular a mechanism (4) for forming two loops on the string and juxtaposing the two closed loops. Said mechanism consists of: a rotary driving shaft (40) driven in rotation through a cycle and while the cycle is being completed, driven in translation in an up-and-down movement; and two flaps (42) articulated to a support (43) fixed to the driving shaft (40), said flaps being provided with pins (46) for gripping the string and being arranged in horizontal position for forming the two loops by rotation and translation of the assembly. The two flaps are then brought opposite each other so as to superimpose the two closed loops. The sleeve to be sealed is then engaged inside the two loops and the knot is tied by pulling on the string.

IPC 8 full level

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See references of WO 2006053909A1

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