

Title (en)  
HALF-AUTOMATIC CABLE TWISTING APPARATUS AND TRANSFER METHOD

Title (de)  
HALBAUTOMATISCHE KABELVERDRILLVORRICHTUNG UND ÜBERTRAGUNGSVERFAHREN

Title (fr)  
APPAREIL DE TORSION SEMI-AUTOMATIQUE DE CÂBLE ET PROCÉDÉ DE TRANSFERT

Publication  
**EP 3764374 B1 20220928 (EN)**

Application  
**EP 20184921 A 20200709**

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CN 201910629607 A 20190712

Abstract (en)  
[origin: EP3764374A1] A half-automatic cable twisting apparatus (10) and a transfer method of a plurality of cable bundles processed in a half-automatic cable twisting apparatus (10) are provided. The half-automatic cable twisting apparatus (10) comprises a processing unit (100) including a gripper rotation device (110) and a gripper slide (120), the gripper rotation device (110) having a plurality of rotationally supported cable grippers (111, 112, 113, 114) arranged side-by-side, and the gripper slide (120) having a plurality of non-rotational cable grippers (121, 122, 123, 124) arranged side-by-side each corresponding to a respective counterpart out of the plurality of rotationally supported cable grippers (111, 112, 113, 114), wherein the gripper slide (120) is movable along a gripped cable elongation axis (A) to a processing start position (P); and a handling unit (200) including a handling unit slide (220), the handling unit slide (220) having a plurality of handling unit cable grippers (221, 222, 223, 224) arranged side-by-side, wherein the handling unit slide (220) is movable along an axis that is substantially parallel to the gripped cable elongation axis (A). Each of the handling unit cable grippers (221, 222, 223, 224) is configured to be manually equipped with a first end (311, 312, 313, 314) of a bundle of cables (301, 302, 303, 304) when the handling unit slide (220) is at a handling position (H) in manual reach of the gripper rotation device (110). The handling unit (200) is configured to transfer the first end (311, 312, 313, 314) of the bundles of cables from the handling unit cable grippers (221, 222, 223, 224) to the non-rotational cable grippers (121, 122, 123, 124) of the processing unit (100) when the gripper slide (120) of the processing unit (100) is at the processing start position (P).

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