

Title (en)
DEVICE FOR MECHANICALLY ASSEMBLING A SEALING BUSH ON AN ELECTRICAL CABLE

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EP 0412329 A3 19910605 (DE)

Application
EP 90113748 A 19900718

Priority
DE 8909515 U 19890808

Abstract (en)
[origin: EP0412329A2] The invention relates to a device for mechanically assembling sealing bushes of elastic material on an electrical cable for waterproof plug designs or the like, having a manipulator rotatable about an axis of rotation and with receiving orifices for sealing bushes, and having a gripper device in the region of the manipulator for grasping and holding an electrical cable, the manipulator conveying sealing bushes in front of the end of the electrical cable held in the gripper, and means being provided for attaching the sealing bush to the cable, there being arranged next to the manipulator, underneath and on each of the two sides, a linear conveyor, in which sealing bushes are fed in a row from respective supply containers, by means of oscillator conveying devices known per se, to a sealing-bush loading appliance which has in each case an orifice for catching a sealing bush, and under each of the orifices there is a lifting device, by means of which a sealing bush can be pressed upwards out of an orifice into a receiving device of the manipulator, the manipulator having a bearing block, in which is inserted a rearwardly projecting rotary shaft driven to pivot in the direction of the double arrow, a bevel gearwheel being rotatably mounted above two adjacent side faces of the bearing block, at a respective distance from these, on a rotary shaft arranged perpendicularly to the side faces and inserted firmly in the bearing block, and the bevel gear wheels meshing with a stationary bevel gear wheel which is arranged on a fixed part of the device.

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IPC 8 full level
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CPC (source: EP)
H01R 43/005 (2013.01)

Citation (search report)
• [A] DE 8802190 U1 19880609
• [A] EP 0159006 A2 19851023 - SUMITOMO ELECTRIC INDUSTRIES [JP], et al
• [AP] DE 8808995 U1 19891116

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CN109861052A; EP1016496A1; DE4131051C1; EP0533045A3; US6401331B1

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