

Title (en)

METHOD FOR CONNECTING THE CONDUCTORS OF A FLEXIBLE BONDED (EQUIPOTENTIAL) CONNECTION LAYER, AS WELL AS CRIMPING TOOL, CONNECTORS AND WIRING LOOM FITTED WITH SUCH CONNECTORS

Title (de)

VERFAHREN ZUM VERBINDEN DER LEITER EINER FLEXIBLEN, GEBONDETEN (ÄQUIPOTENZIALEN) VERBINDUNGSSCHICHT SOWIE CRIMPWERKZEUG, VERBINDER UND MIT SOLCHEN VERBINDERN AUSGESTATTETER KABELBAUM

Title (fr)

PROCÉDÉ DE CONNEXION DE CONDUCTEURS D'UNE NAPPE SOUPLE DE LIAISON ÉQUIPOTENTIELLE, AINSI QUE OUTIL DE SERTISSAGE, CONNECTEURS ET HARNAIS ÉQUIPÉ DE TELS CONNECTEURS

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Application

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Abstract (en)

[origin: WO2013160592A1] The invention seeks to achieve a repeatable, uniform and reliable connection both for intermediate and for terminal connections of a wiring loom in the form of a layer of conductors. To do this, the invention envisages simultaneously crimping the conductors into the connectors by applying a continuous and uniform pressure in a crimping zone. In one embodiment, the crimping according to the invention is performed by a tool that has two shells (21s, 21i), each shell having a main wall (P1) forming an internal face (F1) equipped with transverse ribs (N1, N2, N3). Each shell (21s, 21i) also has end edges (B1) folded over at right angles to the walls (P1) so as to define an internal space (E1). A connector (32) for uninsulated conductors (51) arranged perpendicular to the ribs (N1, N2, N3) is introduced into this space (E1) to form transverse grooves by compressing (Ps) the ribs (N1, N2, N3) onto the walls (32s, 32i) of the connector (32). Application to current return networks in the passenger cabins of composite-skinned airplanes.

IPC 8 full level

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