Title (en)

A method for making a flexible conductor and a flexible conductor

Title (de)

Methode zur Herstellung eines flexiblen Leiters und ein flexibler Leiter

Title (fr)

Méthode pour la fabrication d'un conducteur flexible et un conducteur flexible

Publication

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Application

EP 00122500 A 20001014

Priority

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Abstract (en)

There is described a method for making a flexible conductor (15) with connecting terminals (21) at both ends and consisting of one or more flexible, braided copper bands (4, 6), by which method a copper band, preferably from a coil, is supplied to a two-part forging tool (16) in a press, e.g. an eccentric press, that protective gas (nitrogen) is supplied to the forging tool for protecting the structure of the copper and for displacing oxygen and avoiding discolouring of the copper band, that the copper band (4, 6) is subjected to a very great current intensity between points at each side of the forging tool so that the part of the copper band situated in the forging tool (16) is heated to red-hot condition, that the current is switched off and that the press is simultaneously activated for bringing together the tool parts for compressing and forging the said part of the copper band so that it subsequently appears as a solid and homogenous piece of copper of which the connecting terminals are formed, either by an immediately succeeding operation or by a later operation. Hereby it is achieved that by means of simple technical measures it becomes possible to make a new and improved flexible conductor making possible to reduce the number of conductors stocked very significantly as the conductor according to the invention, according to need, may consist of several parallel, preferably identical, copper bands with integrated end terminals of solid and/or homogenous copper. <IMAGE>

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