

Title (en)

METHOD AND DEVICE FOR THE MANUFACTURE OF A STEEL STRAND HAVING A THREE-LAYER STRUCTURE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR HERSTELLUNG EINER DREILAGIGEN STAHLITZE

Title (fr)

PROCEDE ET DISPOSITIF DE FABRICATION D'UN CABLE A TROIS COUCHES

Publication

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Application

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Abstract (en)

[origin: WO2010112444A1] The invention relates to a method for producing a metal cord having three concentric layers (C1, C2, C3), of the type that is rubberized in situ, i.e. during the production thereof. The cord comprises a first inner layer or core (C1), around which N strands of diameter d2 are wound together in the form of a helix with a pitch p2 to form an intermediate layer (C2), N varying between 3 and 12. In addition, P strands of diameter d3 are wound together around this second layer in the form of a helix with a pitch p3 to form a third outer layer (C3), P varying between 8 and 20. The method includes the following steps: a first step in which the core (C1) is coated with a rubber composition known as "filling rubber" in the non-crosslinked state; a step in which the N strands of the second layer (C2) are assembled and twisted around the thus coated core (C1), so as to form an intermediate cord, known as the "core strand" (C1+C2), at a point known as the "assembly point"; a step in which the P strands of the third layer (C3) are assembled and twisted around the core strand (C1+C2); and a final twist value balancing step. The invention also relates to the device used to implement one such method.

IPC 8 full level

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Citation (examination)

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- JP 2006283249 A 20061019 - TOYO TIRE & RUBBER CO
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