

Title (en)

METHOD FOR THE PRODUCTION OF A MULTI-LAYER METAL CORD THAT IS RUBBERISED IN SITU USING AN UNSATURATED THERMOPLASTIC ELASTOMER

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES MIT EINEM UNGESÄTTIGTEN THERMOPLASTISCHEN ELASTOMER IN-SITU GUMMIERTEN MEHRLAGIGEN METALLSEILS

Title (fr)

PROCEDE DE FABRICATION D'UN CABLE METALLIQUE MULTICOUCHES GOMME IN SITU PAR UN ELASTOMERE THERMOPLASTIQUE INSATURE

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Application

EP 11717669 A 20110506

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Abstract (en)

[origin: WO2011144473A1] The invention relates to a method for producing a multi-layer metal cord having multiple concentric layers of strands, comprising one or more inner layers and an outer layer, of the type that is "rubberised in situ", i.e. rubberised from the interior during the production thereof, using rubber or a rubber composition. The method includes at least the following steps: a step in which at least one inner layer is coated with the aforementioned rubber or rubber composition, by means of passage through at least one extrusion head; and a step in which the strands of the outer layer are assembled around the adjacent inner layer in order to form the multi-layer cable thus rubberised from the interior. The invention is characterised in that the rubber is a melt-extruded unsaturated thermoplastic elastomer, preferably a thermoplastic styrene (TPS) type elastomer, such as an SBS, SBBS, SIS or SBIS block copolymer.

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