

Title (en)
A METHOD FOR MANUFACTURING A COMPOSITE WIRE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES VERBUNDDRAHTES

Title (fr)
PROCÉDÉ DE FABRICATION D'UN FIL COMPOSITE

Publication
EP 3415650 A1 20181219 (EN)

Application
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Abstract (en)
The invention generally relates to a method for manufacturing a composite wire, a composite wire manufactured by such method, and a medical device comprising such composite wire. The composite wire comprises an alloy comprising Cr, Ni, Mo and Co. The method for manufacturing the composite wire comprises the steps of providing a first part in form of a rod, providing a second part in form of a tube surrounding the rod at least partially to form a rod-tube assembly, providing a clad part in form of a cylinder surrounding the rod-tube assembly at least partially to form a clad rod-tube assembly, and extruding the clad rod-tube assembly to form the composite wire. The second part comprises an alloy comprising the following alloy components: a) Cr in the range from about 10 to about 30 wt. %; b) Ni in the range from about 20 to about 50 wt. %; c) Mo in the range from about 2 to about 20 wt. %; d) Co in the range from about 10 to about 50 wt. %; wherein the A1 content of the alloy is less than about 0.01 wt. %; wherein each wt. % is based on the total weight of the alloy.

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Citation (applicant)
• WO 2005026399 A1 20050324 - ATI PROPERTIES INC [US], et al
• US 2005051243 A1 20050310 - FORBES JONES ROBIN M [US], et al

Citation (search report)
• [Y] WO 2016064790 A1 20160428 - MEDTRONIC INC [US]
• [Y] WO 2004006377 A1 20040115 - MICROCELL CORP [US], et al
• [AD] WO 2005026399 A1 20050324 - ATI PROPERTIES INC [US], et al

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