

Title (en)

METHOD OF PRODUCING WIRE-SHAPED WELDING ELECTRODES MADE OF METALS AND/OR ALLOYS AND WIRE-SHAPED WELDING ELECTRODE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON DRAHTFÖRMIGEN, AUS METALLEN UND/ODER LEGIERUNGEN BESTEHENDEN SCHWEISSELEKTRODEN SOWIE DRAHTFÖRMIGE SCHWEISSELEKTRODE

Title (fr)

PROCEDE DE FABRICATION D'ELECTRODES DE SOUDAGE FILIFORMES REALISEES EN METAUX ET/OU ALLIAGES, ET ELECTRODE DE SOUDAGE FILIFORME

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Application

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Abstract (en)

[origin: WO9838005A1] The invention concerns a method of producing wire-shaped welding electrodes made of metals and/or alloys, and a welding electrode produced according to this method. According to the invention, the method proceeds from a composite wire which consists of a drawable closed outer jacket which is a good conductor and of a core which can be cold-formed well. The jacket is produced by a cleaned metal strip which is continuously shaped to form a pipe whilst receiving the core. The residual longitudinal seam is closed by a conventional welding process without welding additives. The core can consist of one or a plurality of compact wires (5, 6) and/or of a laminated composite wire (3, 6) comprising a plurality of metals or alloys in layers. The jacket (1) and core (3, 5, 6) are shaped to form a mechanically plated laminated composite wire by subsequent common drawing. Owing to the mechanical plating of the components, the laminated composite wire behaves in the same manner as a compact material during further processing.

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