Title (en)

MÉTHOD OF PRODUCING WIRE-SHAPED WELDING ELECTRODES MADE OF METALS AND/OR ALLOYS AND WIRE-SHAPED WELDING FLECTRODE

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

Publication

EP 0964769 A1 19991222 (DE)

Application

EP 98910686 A 19980217

Priority

- DE 19708202 A 19970228
- DE 19712817 A 19970326
- EP 9800885 W 19980217

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.

IPC 1-7

B23K 35/02: B23K 35/40

IPC 8 full level

B23K 35/02 (2006.01); B23K 35/30 (2006.01)

CPC (source: EP)

B23K 35/0283 (2013.01); B23K 35/302 (2013.01)

Citation (search report)

See references of WO 9838005A1

Designated contracting state (EPC)

AT BE DE ES FR GB NL SE

DOCDB simple family (publication)

WO 9838005 A1 19980903; EP 0964769 A1 19991222

DOCDB simple family (application)

EP 9800885 W 19980217; EP 98910686 A 19980217