

Title (en)

WIRE ELECTRODE FOR THE ELECTRIC DISCHARGE CUTTING OF OBJECTS

Title (de)

DRAHTELEKTRODE ZUM FUNKENEROSIVEN SCHNEIDEN VON GEGENSTÄNDEN

Title (fr)

FIL-ÉLECTRODE SERVANT À LA COUPE D'OBJETS PAR ÉLECTROÉROSION

Publication

**EP 3007847 A1 20160420 (DE)**

Application

**EP 14747509 A 20140604**

Priority

- DE 102013009767 A 20130611
- DE 2014000298 W 20140604

Abstract (en)

[origin: WO2014198254A1] The invention relates to a wire electrode (1) for spark erosion having a total diameter (D) between 0.05 and 0.4 mm, an inner steel core (2) composed of steel, and an outer jacket (3) surrounding the steel core (2). The problem addressed by the invention is that of providing a wire electrode (1) that is economical and at the same time meets the mechanical and electrical requirements placed on the wire electrode. This problem is solved in that the jacket (3) has an iron-zinc alloy layer (4) and the thickness (d) of the iron-zinc alloy layer is greater than 5% of the total diameter (D) at the thinnest point of the iron-zinc alloy layer and is less than 25% of the total diameter (D) at the thickest point of the iron-zinc alloy layer.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2014198254A1

Citation (examination)

- WO 2005097387 A1 20051020 - BEKAERT SA NV [BE], et al
- DE 19635775 A1 19980305 - BERKENHOFF GMBH [DE]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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