

WIRE ELECTRODE WITH A STRUCTURED INTERFACE SURFACE

ABSTRACT

In order to achieve a reduction in wear of the wire guide rollers, apart from an improvement in the cutting speed and an improvement in current conduction, a wire electrode for spark erosion cutting of metals etc., comprising either a homogenous centre (1) made of a metal or of a metal alloy, or a composite centre, is provided with a sheath coating (2) whose surface is structured, wherein the indentations (3) created by the structure, are filled by a filler (4) made of an easily vapourable metal or of a metal alloy, so as to achieve a surface with little peak-to-valley height, i.e. with little surface roughness.

- Fig. 1 -



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