Title (en)

PROCESS FOR MANTAINING A CATHODIC PROTECTION AGAINST CORROSION AND DEVICE FOR CARRYING OUT SAID PROCESS.

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERHALTEN KATHODISCHEN SCHUTZES GEGEN KORROSION.

Title (fr)

PROCEDE ET DISPOSITIF DE MAINTIEN D'UNE PROTECTION CATHODIQUE CONTRE LA CORROSION.

Publication

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Application

EP 92919515 A 19920812

Priority

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- IT VR910070 A 19910814

Abstract (en)

[origin: WO9304218A1] The cathodic protection process against corrosion according to the invention features a single electrode (12), the anode, which is connected to the positive pole of an electrical power supply, whose negative pole is connected to the object to be protected, e.g. to a boiler. According to an essential feature of the invention, the intensity of the current necessary for mantaining the process is periodically raised or lowered for a predetermined lapse of time about a predetermined percentage value relative to the steady condition value, and during this phase in which a higher or a lower current is delivered the potential difference between boiler and anode is gauged. This potential difference is compared, by means of a comparator, with a predetermined reference value, and the deviation is used for determining the current intensity during the next steady condition phase.

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