

Title (en)

ELECTROLYTE FOR ELECTROPOLISHING, METHOD OF ELECTROPOLISHING A STAINLESS STEEL OR A NICKEL ALLOY UTILIZING THE SAID ELECTROLYTE, AND ITS APPLICATION TO DECONTAMINATION

Title (de)

ELEKTROPOLIERELEKTROLYT UND SEINE VERWENDUNGEN ZUM ELEKTROPOLIEREN VON ROSTFREIEM STAHL ODER NICKELLEGIERUNGEN SOWIE ZUR DEKONTAMINIERUNG

Title (fr)

ELECTROLYTE POUR L'ELECTROPOLISSAGE, PROCEDE D'ELECTROPOLISSAGE D'UN ACIER INOXYDABLE OU D'UN ALLIAGE DE NICKEL METTANT EN OEUVRE CET ELECTROLYTE, ET SON APPLICATION A LA DECONTAMINATION

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Application

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Abstract (en)

[origin: FR2747399A1] The invention concerns an electropolishing electrolyte composed of a mixture of glycolic acide, nitric acid and water in the following concentrations: glycolic acid: 152-538 g/kg, nitric acid: 170-568 g/kg, water: 280-678 g/kg. The invention also features a method for the electropolishing of a stainless steel or of a nickel alloy such as an Iconel utilizing this electrolyte, which is particularly useful in the decontamination of surfaces contaminated by radioelements, especially in the nuclear industry.

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IPC 8 full level

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Cited by

US11512400B2; US11447887B2; US11578016B1; US11617981B1; US11718575B2; US11787759B2

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