Title (en)

METHOD FOR THE REMOVAL OF IMPURITIES FROM DIATHERMIC OIL AND APPARATUS IMPLEMENTING SAID METHOD

Title (de)

VERFAHREN ZUR ENTFERNUNG VON VERUNREINIGUNGEN AUS DIATHERMISCHEM ÖL UND VORRICHTUNG DIESES VERFAHREN DURCHZUFÜHREN

Title (fr)

PROCEDE D'ELIMINATION DES IMPURETES DE L'HUILE DIATHERMIQUE ET DE L'APPAREIL MISE EN OEUVRE DE CETTE METHODE

Publication

EP 3831914 B1 20220615 (EN)

Application

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IT 201900022791 A 20191203

Abstract (en)

[origin: EP3831914A1] The invention relates to the field of maintenance of industrial systems and concerns a method for the removal of impurities from diathermic oil in a circuit (100), comprising the following steps:- taking a sample of diathermic oil from said circuit (100);- subjecting said sample of diathermic oil to a laboratory test to check the aging of the oil and the presence of carbonaceous deposits;- drawing said diathermic oil from said circuit (100);- subjecting said diathermic oil to a filtration process;- re-introducing said diathermic oil into said circuit after said filtration process (100).Said laboratory test comprises the step of measuring the kinematic viscosity value of said diathermic oil and comparing the measured value with a reference value; if said viscosity value detected is greater than said reference value, said step of drawing said diathermic oil from said circuit (100) comprises the step of taking said diathermic oil to a temperature ≤ 80°C before subjecting the diathermic oil al filtration process.The step of subjecting the diathermic oil to a filtration process comprises the step of choosing, depending on the kinematic viscosity value detected, between static filtration or dynamic filtration.The invention also concerns an apparatus for the removal of impurities from diathermic oil in a circuit.

IPC 8 full level

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CPC (source: EP)

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