

Title (en)

METHOD FOR REMOVING CORROSIVE SULFUR COMPOUNDS FROM A TRANSFORMER OIL

Title (de)

VERFAHREN ZUM ENTFERNEN KORROSIVER SCHWEFELVERBINDUNGEN AUS EINEM TRANSFORMATORÖL

Title (fr)

PROCÉDÉ POUR ÉLIMINER DES COMPOSÉS DE SOUFRE CORROSIFS D'UNE HUILE DE TRANSFORMATEUR

Publication

EP 2346971 A1 20110727 (DE)

Application

EP 08874989 A 20081020

Priority

EP 2008008985 W 20081020

Abstract (en)

[origin: WO2010045958A1] The invention relates to a method for removing corrosive sulfur compounds from a transformer oil. By adding a mixture of rare earths comprising aluminum oxide and aluminum silicate to the transformer oil, and enriching the same with an aqueous solution of soluble metal salts, the corrosive sulfur compounds in transformer oil are neutralized with defined heating and cooling phases. The advantage of said method is that no additional chemical components, such as passivators, are added to the transformer oil. When using a tank for receiving the mixture of the rare earths comprising aluminum oxide and aluminum silicate, the reaction can run in the tank. Any aging products that may be present, and the bonded corrosive sulfur compounds are effectively retained within the tank by means of a filter system, and can be disposed of with the tank.

IPC 8 full level

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Citation (search report)

See references of WO 2010045958A1

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