

**(WO/2005/083830) METHOD OF REMOVING LEAD SULFATE FILM OF LEAD ACID BATTERY ELECTRODE AND PULSE GENERATOR FOR REMOVING LEAD SULFATE FILM**

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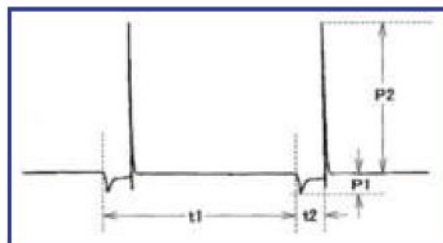
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**Title:** (EN) METHOD OF REMOVING LEAD SULFATE FILM OF LEAD ACID BATTERY ELECTRODE AND PULSE GENERATOR FOR REMOVING LEAD SULFATE FILM

(JA) 鉛電池電極の硫酸鉛皮膜除去方法、硫酸鉛皮膜除去パルス発生装置

**Abstract:** (EN) A method and device for removing a lead sulfate film. The method comprises a film decomposition step of repeatedly giving a first pulsed electric energy negative to battery charging and a second pulsed electric energy positive to battery charging. In a first sub-step, the first and second electric energy is given in the form of pulses at a repetition rate of 8 to 16 kHz, and the second electric energy is given with a delay time shorter than a quarter of the repetition interval after the first electric energy, or given continuously as negative electric energy. In a second sub-step, positive pulsed electric energy is continuously given. The first and second sub-steps are repeated alternately one or more times.



(JA) 蓄電池充電に対してネガティブなパルス状の第一の電気エネルギーと蓄電池充電に対してポジティブなパルス状の第二の電気エネルギーとを繰り返し与える皮膜分解工程からなり、第一および第二の電気エネルギーを8kHzから16kHzの繰り返し周期のパルスで与え、第二の電気エネルギーを繰り返し時間間隔の4分の一以下の時間遅れをもって第一の電気エネルギーに追従して与える、あるいは、ネガティブなパルス状の電気エネルギーを連続付与する第一サブ工程とポジティブなパルス状の電気エネルギーを連続付与する第二サブ工程が交互に、少なくとも一回以上繰り返すものである硫酸鉛皮膜の除去方法とその装置。

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