

ABSTRACT OF THE DISCLOSURE

5 An electrolytic solution comprising glycerine and dibasic potassium phosphate. The electrolytic solution has a water content of less than 1000 ppm and is prepared by mixing the glycerine and the dibasic potassium phosphate and then heating to about 150 to 180°C for about 1 to 12 hours. A method of anodizing a metal comprising forming a film on the metal with an electrolytic solution comprising glycerine and dibasic potassium phosphate. The metal is preferably a valve metal, such as tantalum, and the film is formed at a temperature of 150°C or higher.

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