

ELECTROCHEMICAL SYSTEM AND PROCESS FOR STRIPPING METALLIC COATINGS

ABSTRACT OF THE DISCLOSURE

An electrochemical stripping process is described that strips at least one metallic coating from a substrate. Due to the electrochemical selectivity of the disclosed process, the parent alloy is minimally affected by the electrochemical stripping process. The process comprises providing an electrolyte; disposing the coated articles and at least one electrode in the electrolyte; applying a current between the electrode and the coated articles, and removing the at least one coating from the coated articles without modifying the parent alloy. The system for the electrochemical stripping process comprises an electrolyte; a direct current source; and plurality of electrodes from which a direct current may be directed to the article being stripped. The direct current source is capable of being connected to the coated articles and the plurality of electrodes. The system permits removal of the at least one coating from the parent alloy.

Figure 1.



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