

United States Patent [19]

Dash et al.

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[54] **CHROMIUM-IRON ALLOY PLATING FROM A SOLUTION CONTAINING BOTH HEXAVALENT AND TRIVALENT CHROMIUM**

[75] Inventors: **John Dash; Arash S. Kasaian**, both of Portland, Oreg.

[73] Assignee: **State of Oregon Acting By and Through the State Board of Higher Education on Behalf of Portland State University**, Portland, Oreg.

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Related U.S. Application Data

[63] Continuation of Ser. No. 607,980, May 7, 1984, abandoned.

[51] Int. Cl.⁴ **C25D 3/56**

[52] U.S. Cl. **204/43.1**

[58] Field of Search 204/43.1, 123

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Primary Examiner—G. L. Kaplan

Attorney, Agent, or Firm—Kolisich, Hartwell & Dickinson

[57] ABSTRACT

Electrodeposition of a chromium-iron alloy on a substrate using an electrolyte solution prepared from water, an inorganic hexavalent chromium compound, an inorganic trivalent chromium compound, and an inorganic iron compound, the solution having an adjusted pH lying within the range of 0.5 to 2.0.

6 Claims, No Drawings