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Abstract

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A Material And Uses Thereof

A material comprising cobalt (Co), platinum (Pt) and phosphorus (P) having a composition of 94-98 wt % Co, 0-1 wt % Pt and 2-4 wt % P. The material may be
5 subjected to annealing at a temperature between 100 and 500 degrees Celsius. The material is formed by electroplating a substrate in a suitable electrochemical bath. The electroplated CoPtP material forms a layer on the substrate. The CoPtP material has enhanced perpendicular magnetic properties and may be advantageous for use in microelectromechanical system (MEMS) devices.

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(Figure 4)