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LOW OXYGEN CONTENT ALLOY COMPOSITIONS

Abstract of the Disclosure

Alloy compositions include Fe alloys in which Fe is combined with either Pt or Pd. The alloy compositions form ordered compounds having L10 or L12 type crystalline structures within specified compositional ranges. In addition, the alloy compositions have low levels of impurities, such as oxygen and sulfur, which provide better performance in magnetic memory applications. The alloy compositions preferably are formed into sputtering targets used for thin film applications.

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FIGURE 4