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# United States Patent [19]

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**Boffito et al.**

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[54] **NONEVAPORABLE GETTER ALLOYS**

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[30] **Foreign Application Priority Data**

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[51] **Int. Cl.<sup>6</sup>** ..... **C22C 30/00**; C22C 16/00

[57] **ABSTRACT**

[52] **U.S. Cl.** ..... **148/442**; 55/522; 148/421; 420/422; 252/181.6

Nonevaporable getter alloys containing Zr, Co, and a third component A selected from the rare earth metals and mixtures thereof, e.g., mischmetal. A most preferred alloy contains about 80.8 wt % Zr, about 14.2 wt % Co, and about 5 wt % A. These alloys are advantageous because they are suitable for general use, i.e., they have a relatively low activation temperature, are capable of sorbing a wide variety of gases, and minimize the environmental and safety risks associated with known nonevaporable getter alloys.

[58] **Field of Search** ..... 148/442, 421; 420/422; 55/522, 523; 252/181.6

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**22 Claims, 7 Drawing Sheets**

