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(54) Title (EN): USE OF NON-EVAPORABLE GETTER ALLOYS FOR THE SORPTION OF HYDROGEN IN VACUUM AND IN INERT GASES

(54) Title (FR): UTILISATION D'ALLIAGES DE GETTER NON ÉVAPORABLES POUR LA SORPTION D'HYDROGÈNE SOUS VIDE ET DANS DES GAZ INERTES

(57) Abstract:

(EN): It is described the use of non-evaporable getter alloys for hydrogen absorption inside evacuated chambers or from inert gases, both in applications where these latter represent the filling gas of device chambers, and for use in flows of the same gases for their purification. The alloys have the composition of the following polygon when plotted in a ternary diagram: a) Zr 54% - Y 1% - M 45% b) Zr 50% - Y 5% - M 45% c) Zr 50% - Y 20% - M 30% d) Zr 75% - Y 20% - M 5% e) Zr 80% - Y 15% - M 5% f) Zr 80% - Y 1% - M 19%.

(FR): L'invention concerne l'utilisation d'alliages de getter non évaporables pour l'absorption d'hydrogène contenu dans des chambres sous vide ou des gaz inertes, à la fois dans des applications dans lesquelles ces derniers constituent le gaz de remplissage de chambres de dispositifs et pour une utilisation dans des flux des mêmes gaz pour leur purification.

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