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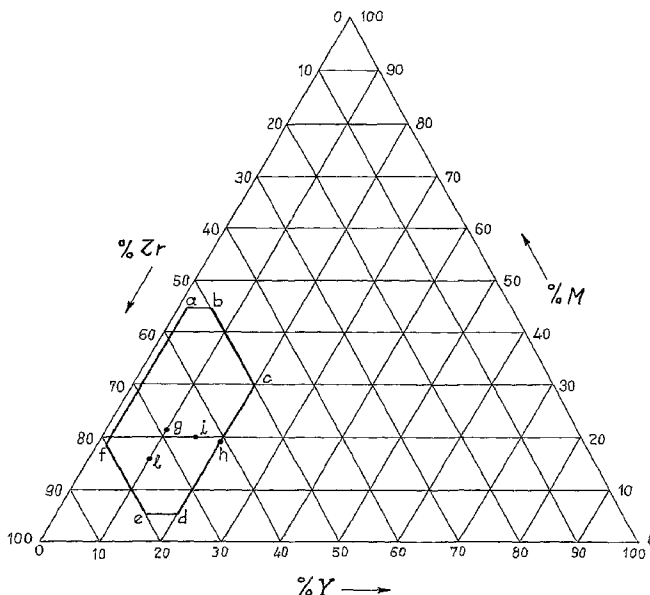
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[Continued on next page]

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



(57) Abstract: 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%.

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**A. CLASSIFICATION OF SUBJECT MATTER**  
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**B. FIELDS SEARCHED**

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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)  
EPO-Internal, CHEM ABS Data, COMPENDEX, INSPEC

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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\* Special categories of cited documents :

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*E* earlier document but published on or after the international filing date	*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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*O* document referring to an oral disclosure, use, exhibition or other means	*&* document member of the same patent family
*P* document published prior to the international filing date but later than the priority date claimed	

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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Van der Poel, Wim
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International application No

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