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71 Applicant: **Solex Research Corporation of Japan, 23-9,
Maruyama-cho, Shibuya-ku Tokyo (JP)**

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72 Inventor: **Watanabe, Morio, 8-23-22,
Minamitsukaguchi-cho, Amagasaki-shi Hyogo-ken (JP)**
Inventor: **Nishimura, Sanji, 13-8, Fukakusa Nanmei-cho
Fushimi-ku, Kyoto-shi Kyoto-fu (JP)**

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74 Representative: **Brewer, Leonard Stuart et al, Sanderson
& Co. 97 High Street, Colchester Essex CO1 1TH (GB)**

54 **Preparing metallic zirconium, hafnium or titanium.**

57 Metallic zirconium, hafnium or titanium is prepared by bringing a fluorine-containing compound thereof into contact with heated metallic aluminium or magnesium, to convert the fluorine-containing compound into the corresponding metal.

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	US-A-4 127 409 (MEGY) * claims 1-3 *	1	C 22 B 34/10

X	GMELINS HANDBUCH DER ORGANISCHEN CHEMIE, "Titan", 8th edition, 1951, pages 287-288, Verlag Chemie, Weinheim; * page 288 *	1	

A	DE-C-1 103 033 (BARIUM STEEL)		

A	PATENT ABSTRACTS OF JAPAN, vol. 7, no. 11 (C-145)[1156], 18th January 1983; & JP - A - 57 169 029 (WATANABE) 18-10-1982		

A	GB-A- 173 236 (WESTINGHOUSE)		

The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 25-08-1986	Examiner SUTOR W
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p>			