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⑤④ **Method of making high melting point alloys.**

⑤⑦ A method of making high melting point alloys. The reactive and non-reactive charge materials are separately refined as initial alloys, generally as an alloy of a base element selected from the iron group of the Periodic Table, such as nickel, and at least one metallic element other than the base element. At least one first initial alloy and at least one second initial alloy are provided. The metallic elements other than the base element in the first initial alloys are relatively non-reactive in the molten state, whereas the metallic elements in the second initial alloys are relatively reactive in the molten state. Amounts of the first and second initial alloys are selected to yield a predetermined composition of the high melting point alloy upon melting. The selected amounts are melted to form a molten mixture having the predetermined composition, and then the molten mixture is solidified.



EP 88 42 0277

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)
Y	US-A-4 119 458 (MOORE) * Claims 1,7 * ---	1,2	C 22 C 1/02 C 22 C 1/03
Y,P	US-A-4 718 940 (McPHILLIPS) * Claims 1,5,6,10 * ---	1,2	
A	US-A-3 620 719 (WHEATON) * Claims 1-12 * ---	1,2	
A	FR-A-2 512 068 (SOCIETE FRANCAISE D'ELECTROMETALLURGIE SOFREM) * Claims 1,4; page 2, lines 6-23 * -----	1,2	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			C 22 C 1/03 C 22 C 1/02
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 18-07-1989	Examiner LIPPENS M.H.
CATEGORY OF CITED DOCUMENTS			
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		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 & : member of the same patent family, corresponding document	