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⑦① Applicant: ALLEGHENY LUDLUM STEEL CORPORATION
Oliver Building 2000 Oliver Plaza
Pittsburgh Pennsylvania 15222(US)

⑦② Inventor: Ames, Stuart Leslie
119, Oak Manor Drive
Sarver Pennsylvania 16055(US)

⑦② Inventor: Gray, Thomas H.
203, Livingstone Avenue
Pittsburgh Pennsylvania 15238(US)

⑦② Inventor: Kish, Lewis L.
128, Crescent Hill Drive
Sarver Pennsylvania 16055(US)

⑦④ Representative: Sheader, Brian N. et al,
ERIC POTTER & CLARKSON 5 Market Way Broad Street
Reading Berkshire, RG1 2BN(GB)

⑤④ Amorphous metals and articles made thereof.

⑤⑦ An amorphous Fe-B-Si alloy and article made therefrom is provided having improved castability while maintaining good magnetic properties, ductility and improved thermal stability. The alloy consists of 73-80% Fe, 4-10% B and 14-17% Si, in atomic percentages, and no more than incidental impurities. A method of casting an amorphous strip material from the alloy is also provided.

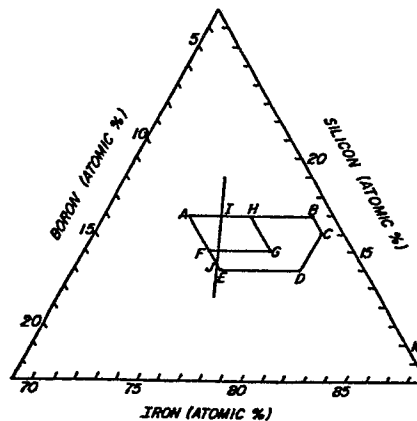


FIGURE 1



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. ³)
Y	FR-A-2 423 548 (GENERAL ELECTRIC) * Claims *	1-6	C 22 C 38/00 C 22 C 38/02 B 22 D 11/06 H 01 F 1/14
Y	--- JOURNAL OF APPLIED PHYSICS, vol. 50, no. 3, part 11, March 1979, pages 1754-1756, American Institute of Physics, New York, US A.E. BERKOWITZ et al.: "Thermomagnetic behavior of a duplex ferromagnetic alloy, Fe75Si15B10" * Whole article *	1-6	
Y	--- FR-A-2 211 536 (ALLIED CHEMICAL) * Claims *	1	
A	--- EP-A-0 020 937 (ALLIED CHEMICAL)		TECHNICAL FIELDS SEARCHED (Int. Cl. ³)
A,D	--- US-A-4 217 135 (LUBORSKY et al.) -----		C 22 C 38/00 C 22 C 38/02 B 22 D 11/06 H 01 F 1/14
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 07-03-1984	Examiner OBERWALLENEY R.P.L.I
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			