## KAWASAKI STEEL GIHO Vol.24 (1992) No.4

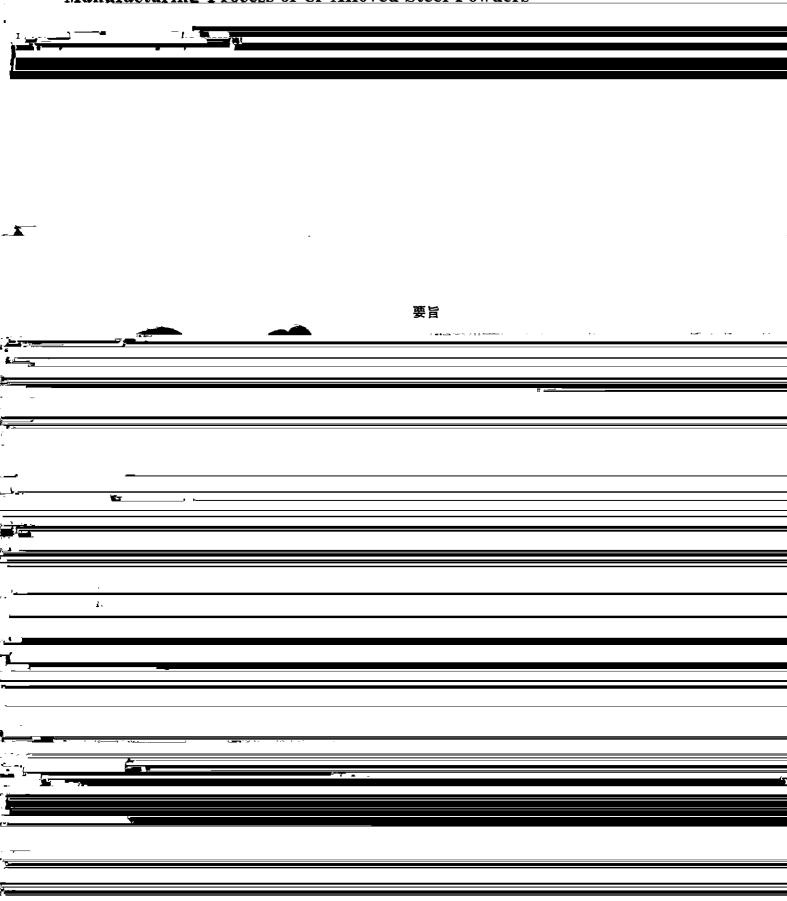
Manufacturing Process of Cr-Alloyed Steel Powders by Vacuum Reduction

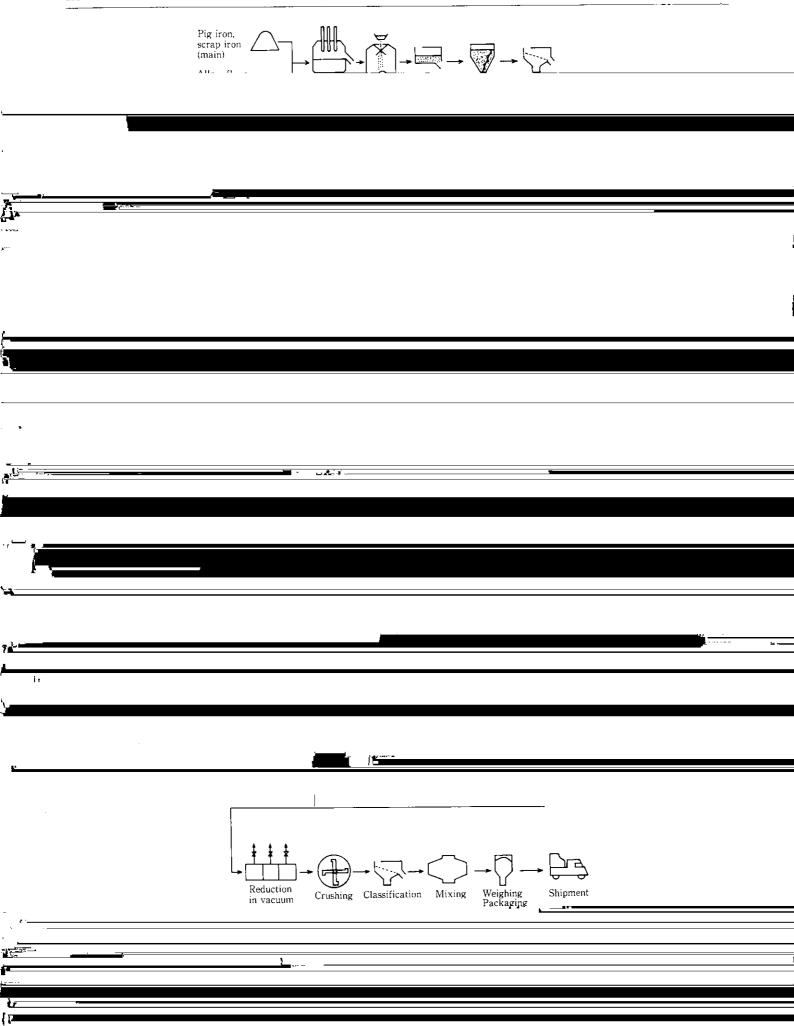
(Ka	azuo Higuchi)	(Kazuo	Akaoka)	(Hiroyuki
Yamamoto)	(Kouichi Ko	omamura)		
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			Cr	
			1991	
2.67		200 /		
			G	1/1D 44 001/
			Cr	KIP 4100V
7.07 Mg/1	/m3 686 N	ſPa		

## Synopsis:

Kawasaki Steel is producing 1 to 3 % Cr-alloyed steel powders, that are characteristic of high wear and heat resistance. For the purpose of responding to the increasing demand, No. 2 vacuum reduction furnace was newly constructed and its operation began in July 1991. The authors investigated the effects of the pre-heating temperature and thickness of packed Cr-alloyed steel powders on the reduction by the heat transfer analysis. No. 2 vacuum

## Manufacturing Process of Cr-Alloved Steel Powders





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