## United States Patent [19]

## Narita et al.

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[45] Date of Patent:

Apr. 3, 1990

[54]	TREATING METHOD			
[75]	Inventors:	Tomonori Narita, Tokyo; Kimihiro Matsuse, Yokohama, both of Japan		
[73]	Assignee:	Tokyo Electron Limited, Tokyo, Japan		
[21]	Appl. No.:	326,689		
[22]	Filed:	Mar. 21, 1989		
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Mar. 25, 1988 [JP] Japan 63-72995				
[51]	Int. Cl.4	C23C 14/34; C23C 16/00; C03C 15/00		
[52]	U.S. Cl			
[58]	Field of Search			
[56]	References Cited			
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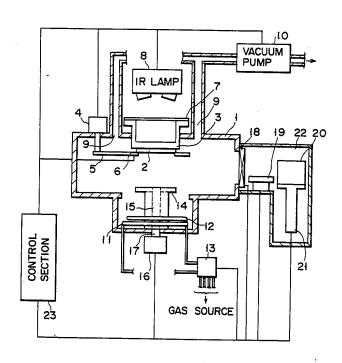
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### [57] ABSTRACT

A workpiece treating method includes a temperature rise step in which first temperature control is performed and a treatment step in which second temperature control is performed and is adapted to treat a workpiece whose emissivity of infrared rays in the temperature rise step is different from that in the treatment step. In the temperature rise step, the temperature of the workpiece is detected by a non-contact type temperature detecting means so as to perform the first temperature control. In the treatment step, the temperature of the workpiece is detected by a contact type temperature detecting means so as to perform the second temperature control.

7 Claims, 4 Drawing Sheets





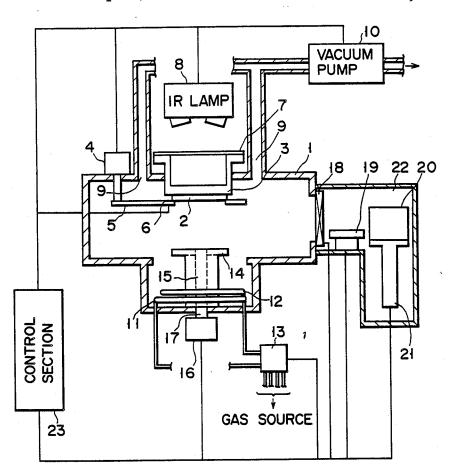
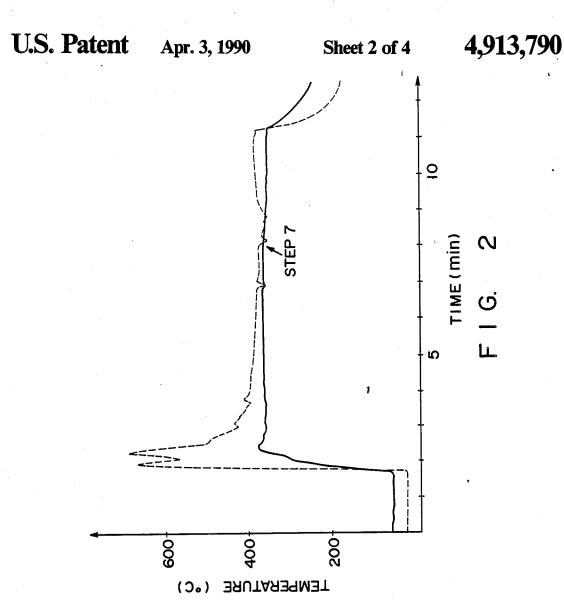
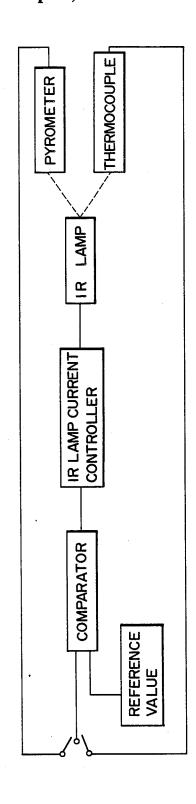


FIG. 1





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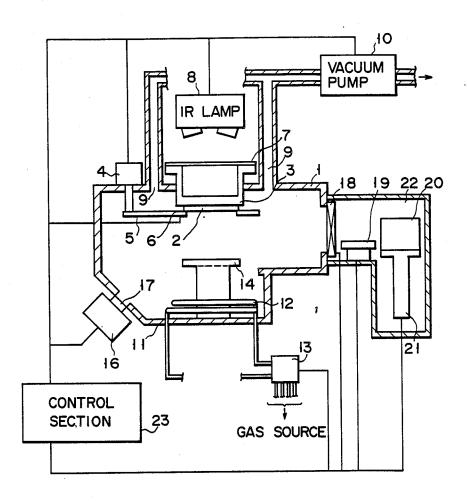


FIG. 4

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