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(54) Title: METHOD AND APPARATUS FOR PRODUCING UNIFORM PROCESS RATES

(57) Abstract: An antenna arrangement for generating an electric field inside a process chamber is provided. Generally, the antenna arrangement comprises a first loop disposed around an antenna axis. The first loop comprises a first turn (704) with a first turn gap (1112); a second turn (708) with a second turn gap, where the second turn is concentric and coplanar with the first turn and spaced apart from the first turn, and where the antenna axis passes through the center of the first turn and second turn; and a first turn-second turn connector (1132) electrically connected between a second end of the first turn and a first end of the second turn comprising a spanning section between and coplanar with the first turn and the second turn and which spans the first turn gap and the second turn gap.

INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 02/23092

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H01J37/32

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 07, 31 July 1997 (1997-07-31) & JP 09 069399 A (TOKYO ELECTRON LTD), 11 March 1997 (1997-03-11) abstract	1, 15, 16
A	EP 0 813 227 A (LAM RES CORP) 17 December 1997 (1997-12-17) column 10, line 48 -column 11, line 11; figures	1, 15, 16
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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International Application No  
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 028 395 A (DEMOS ALEX ET AL) 22 February 2000 (2000-02-22) abstract; figures -----	1,15,16

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Information on patent family members

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