

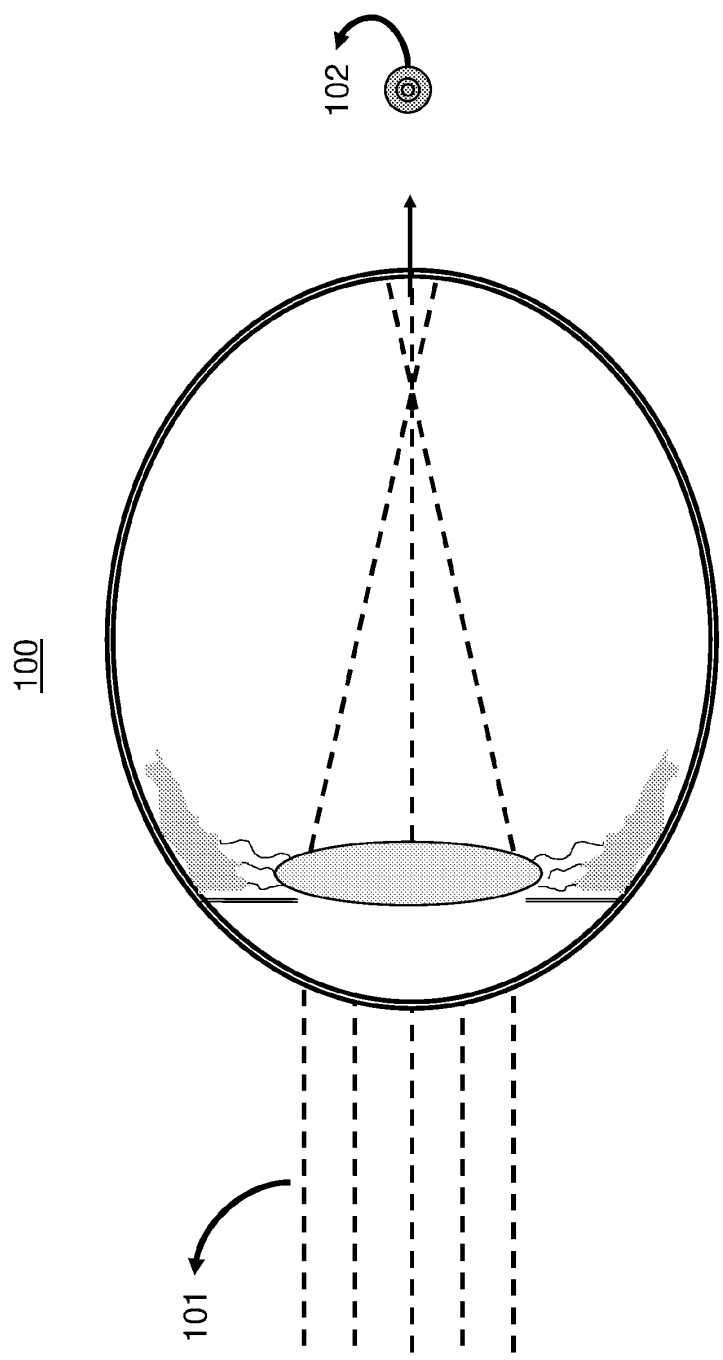


Figure 1

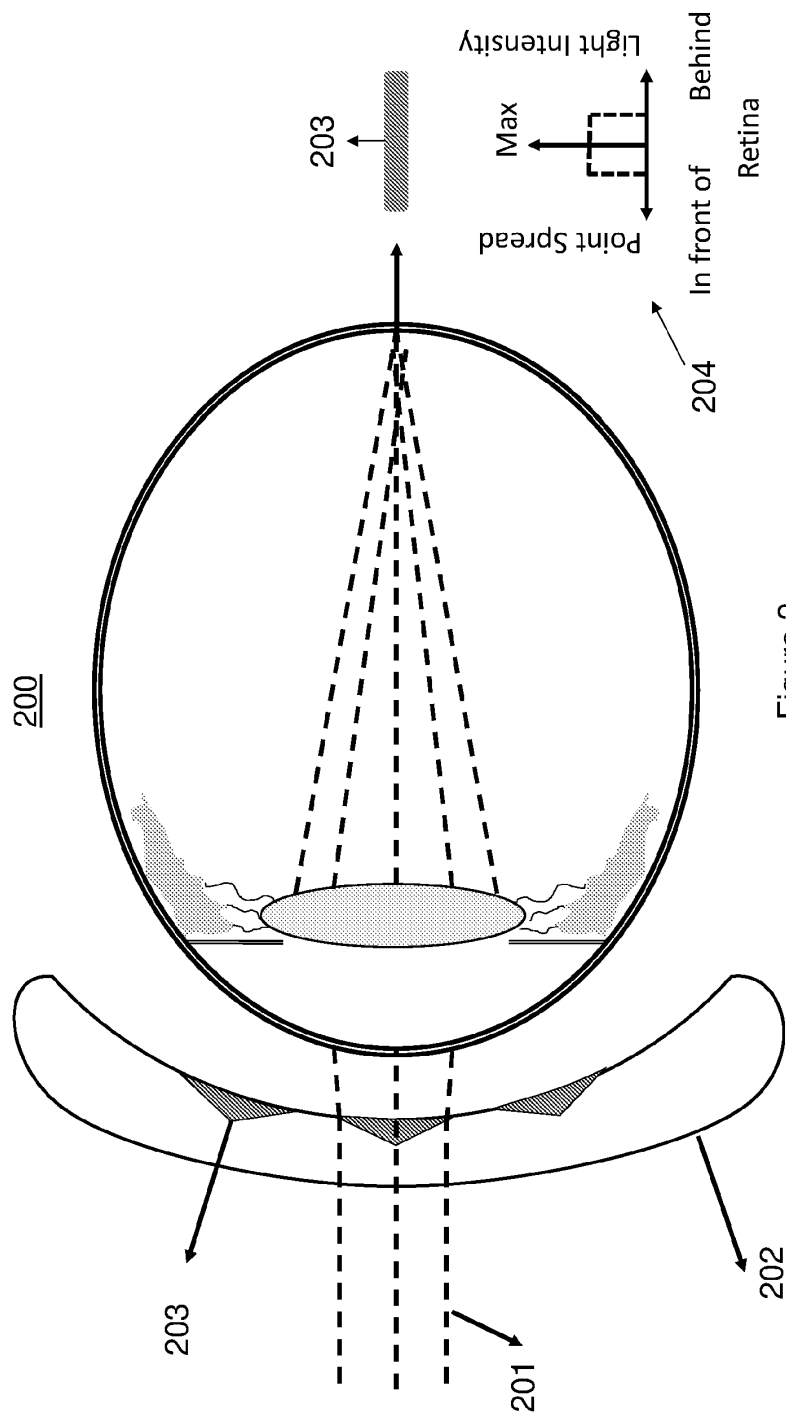


Figure 2

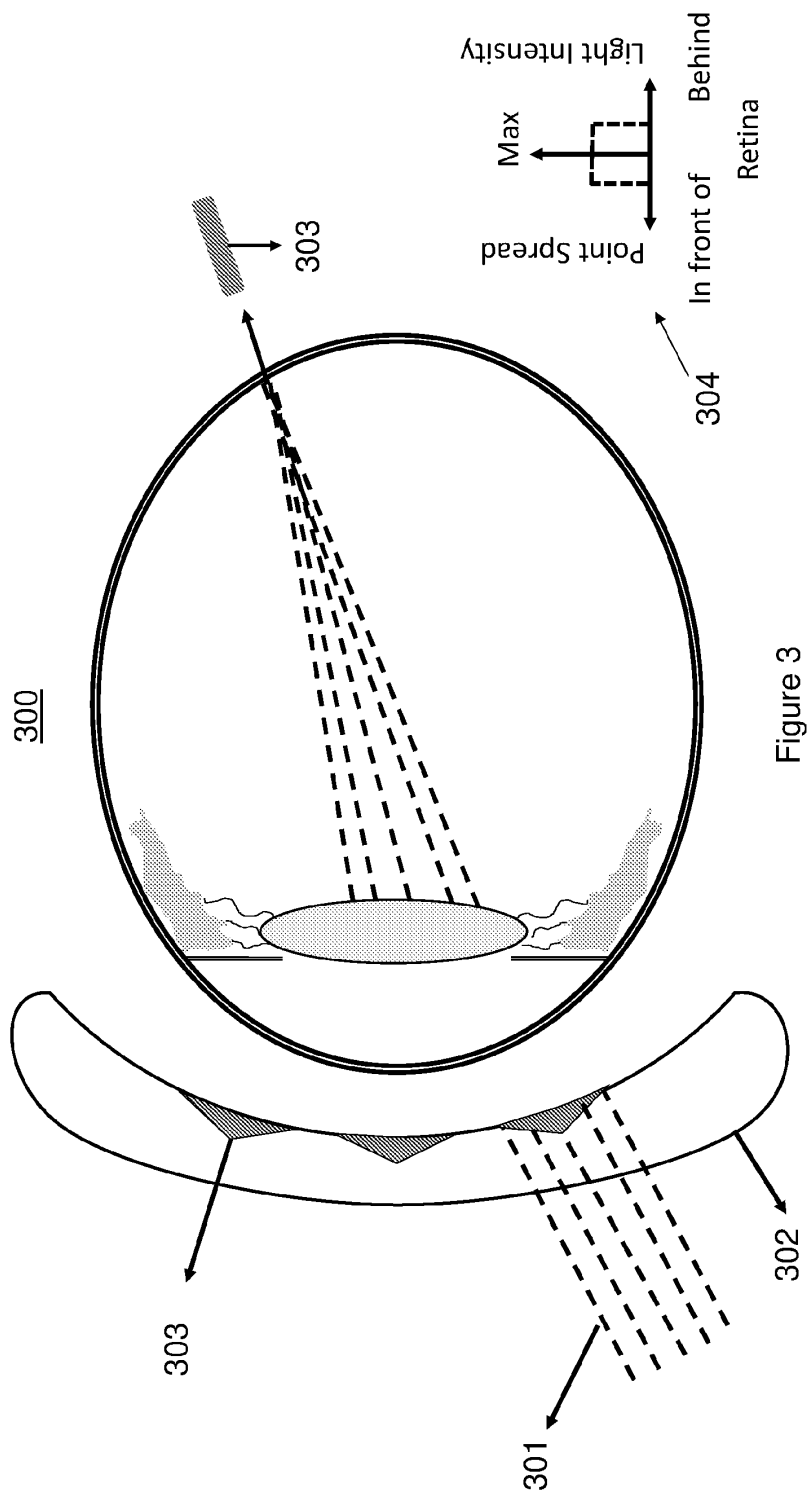


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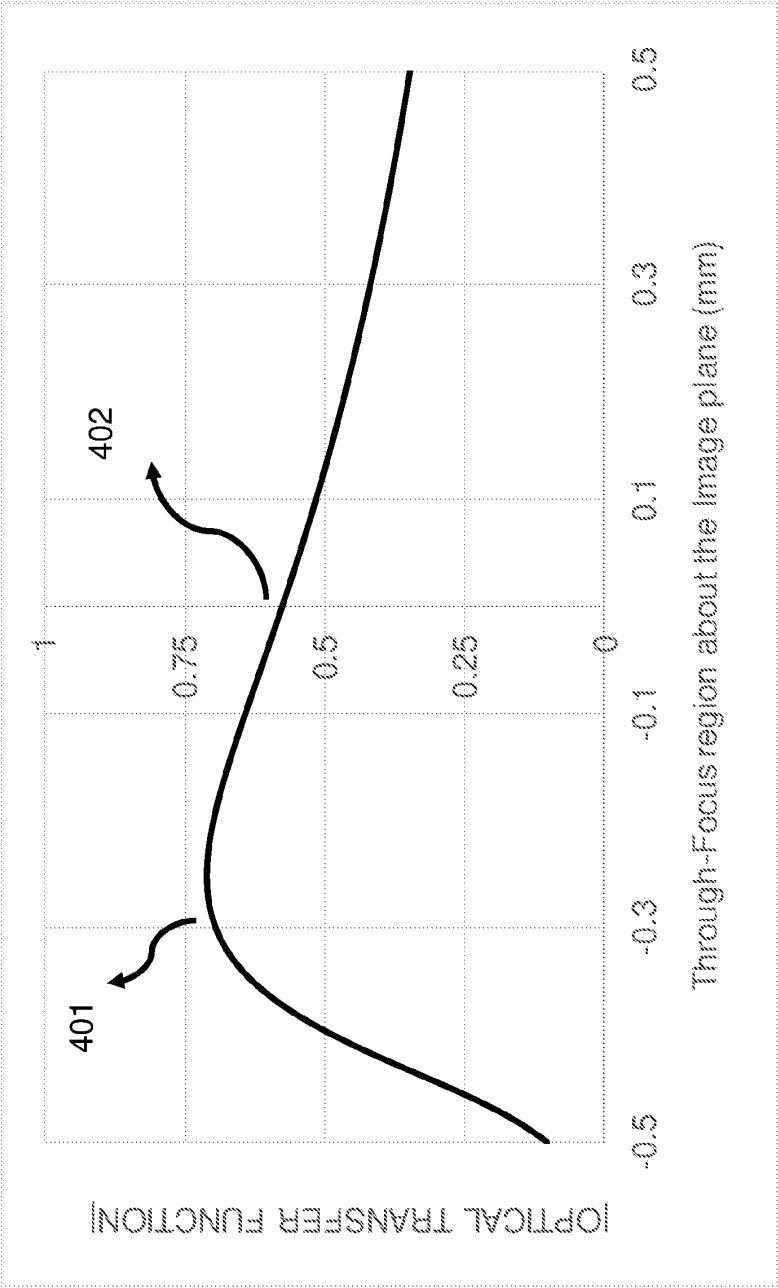


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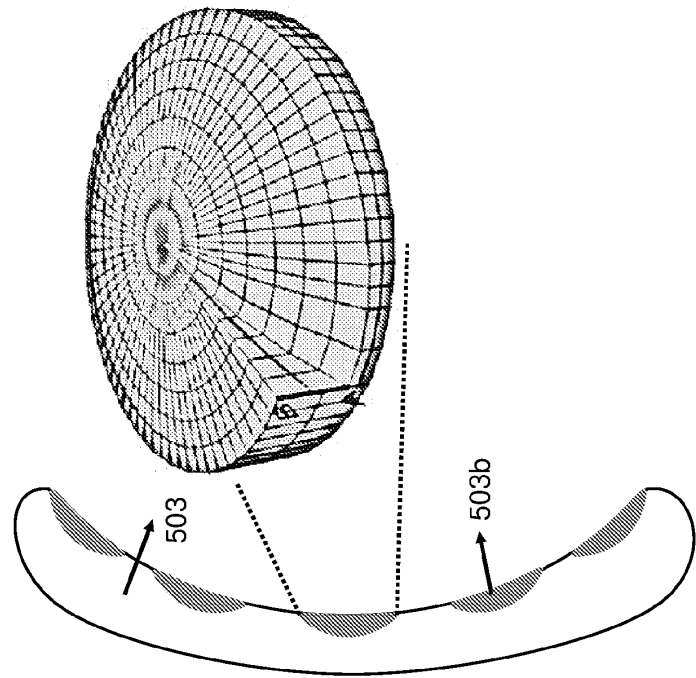
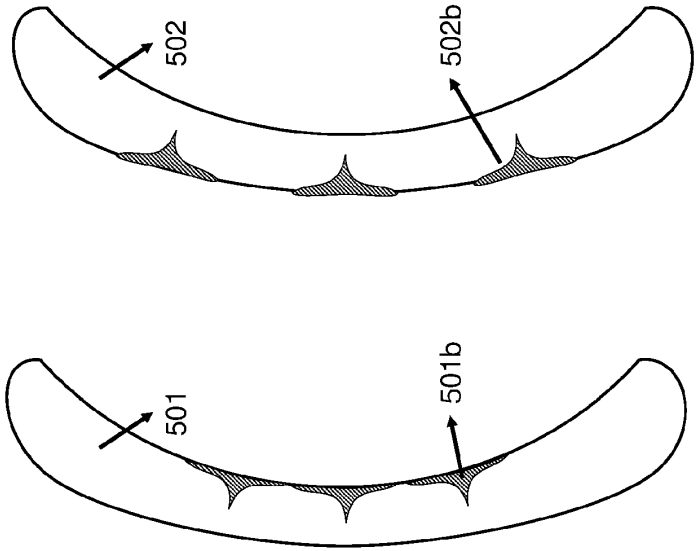


Figure 5a

500



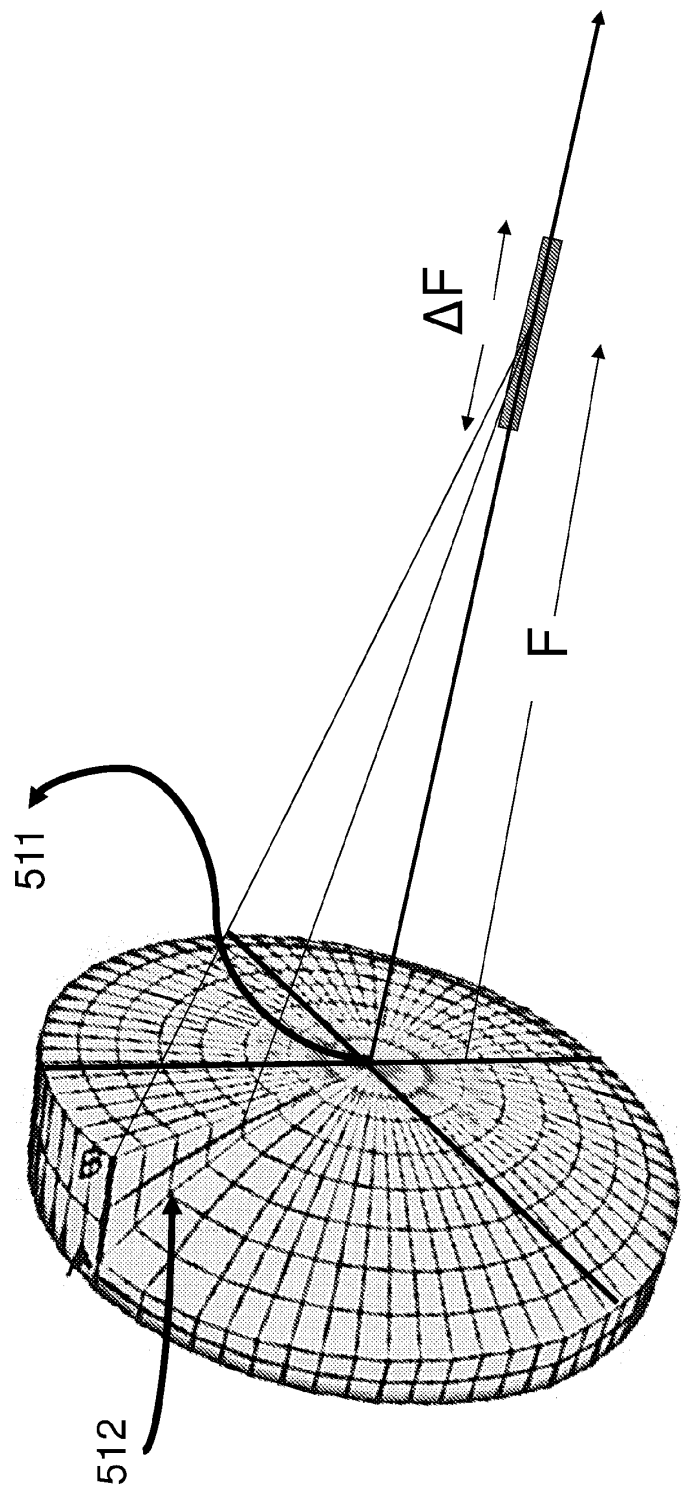


Figure 5b

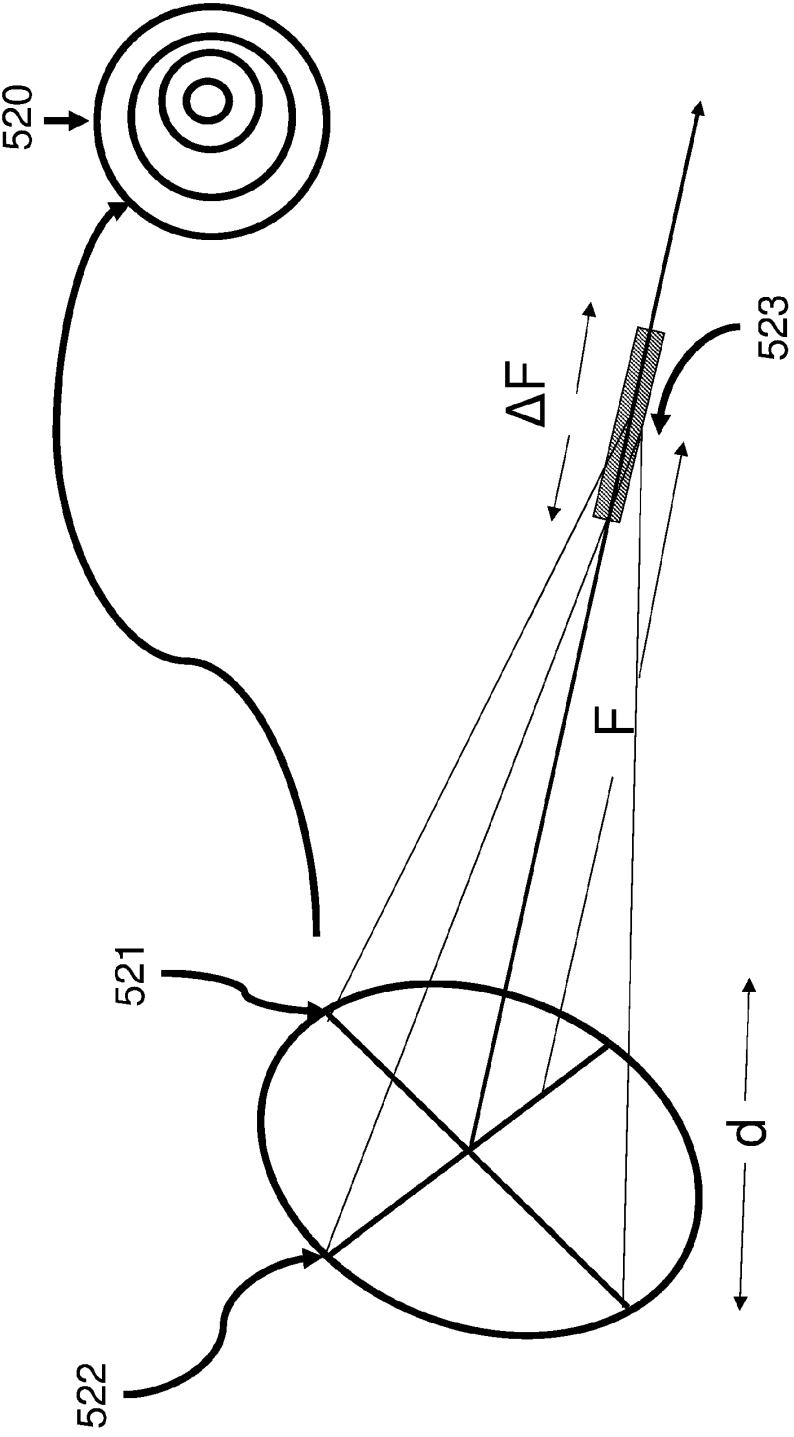


Figure 5c

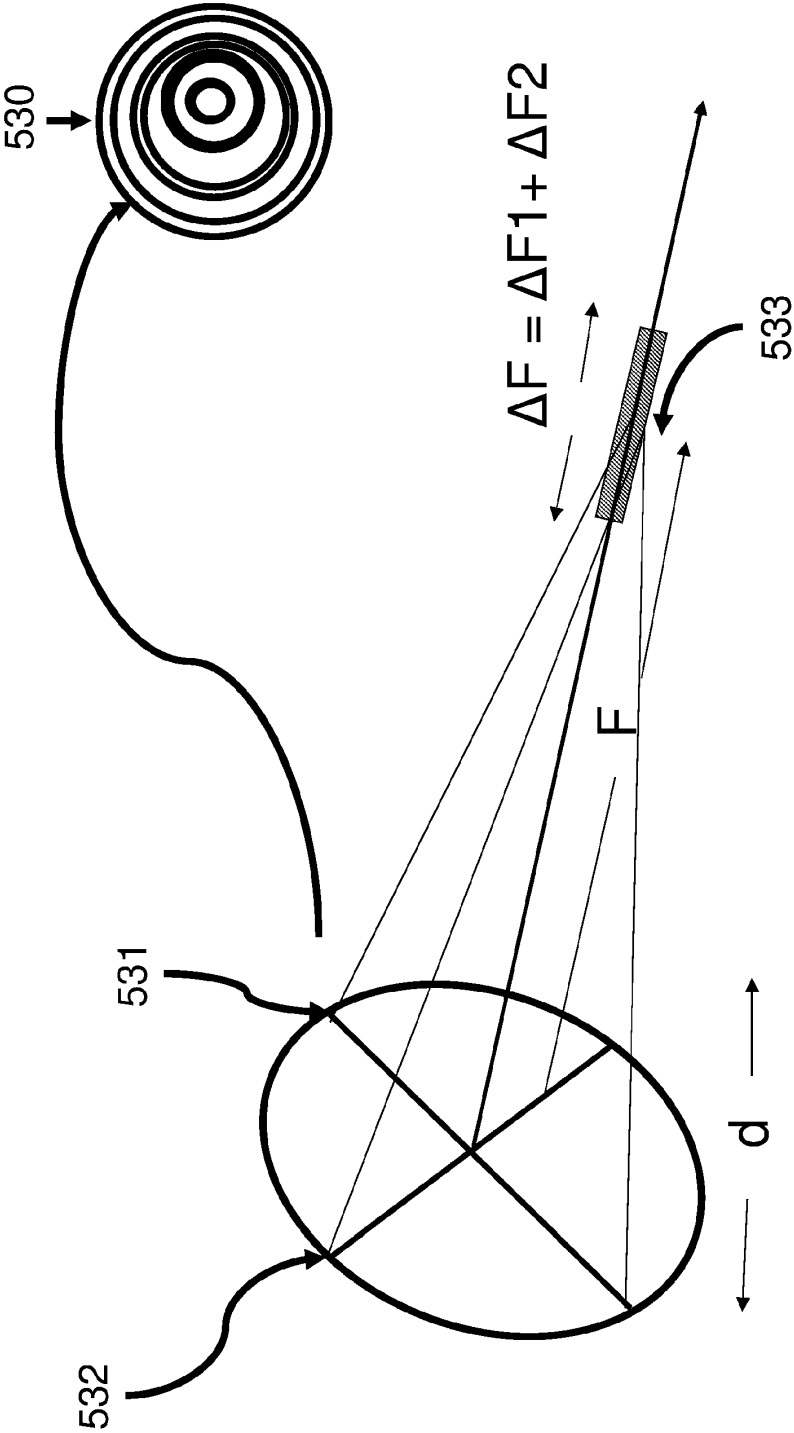


Figure 5d

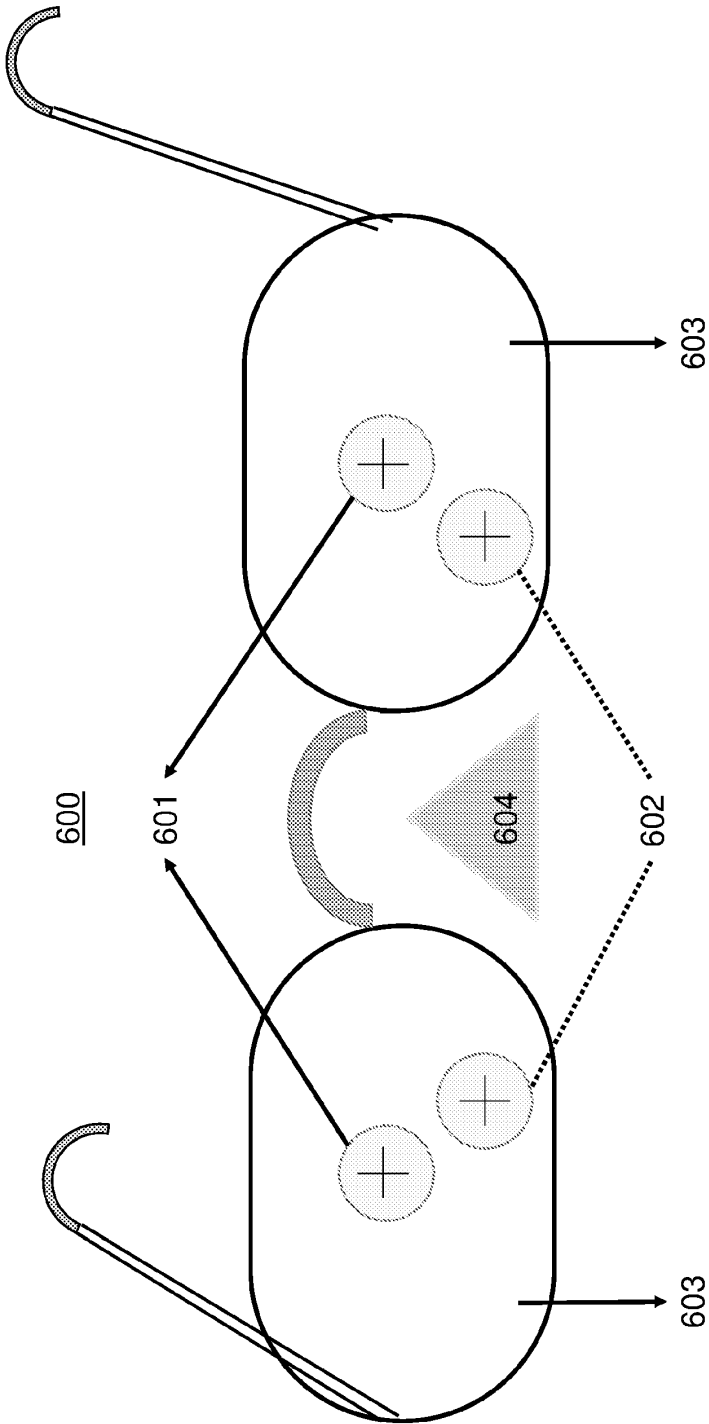


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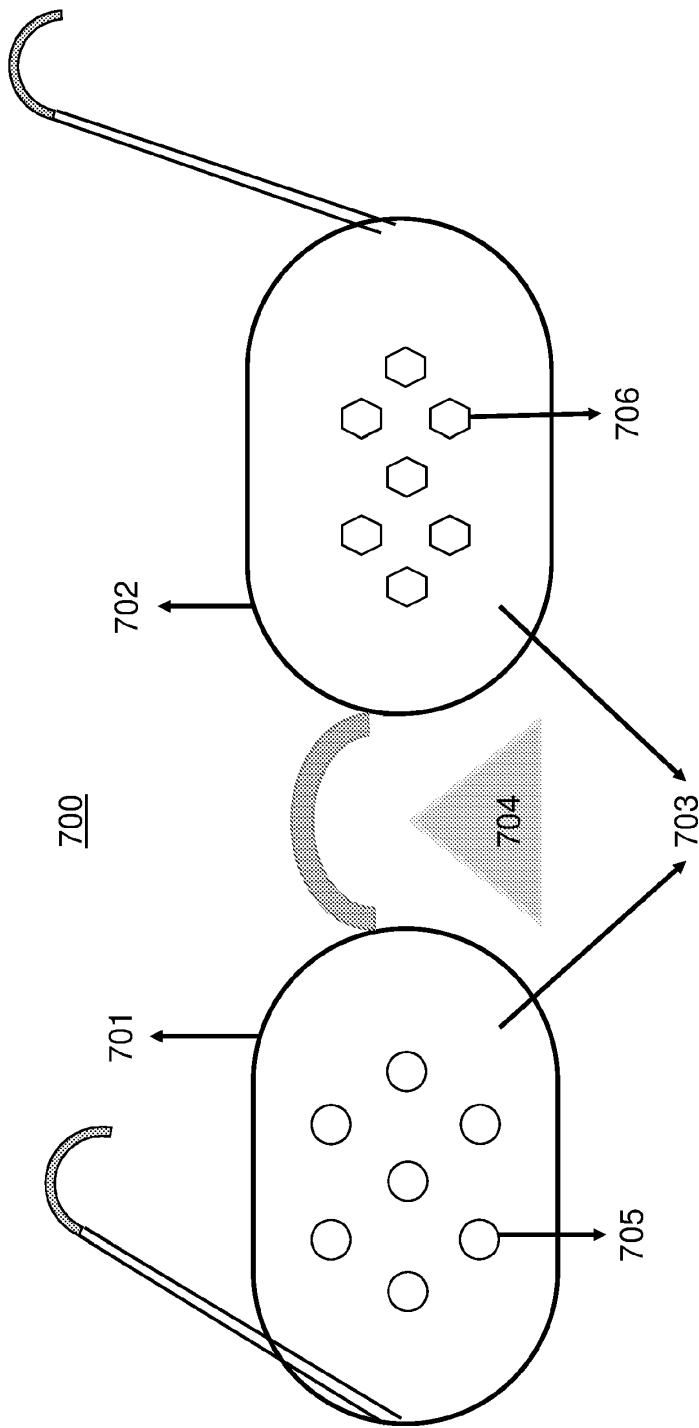


Figure 7

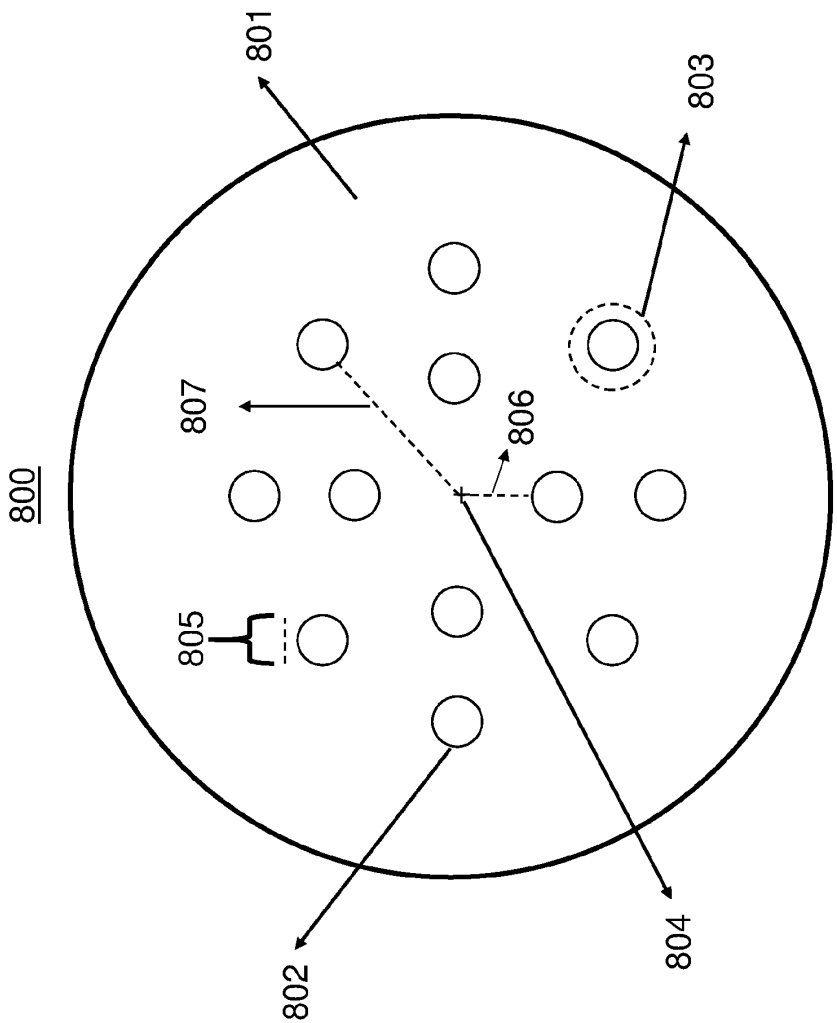


Figure 8

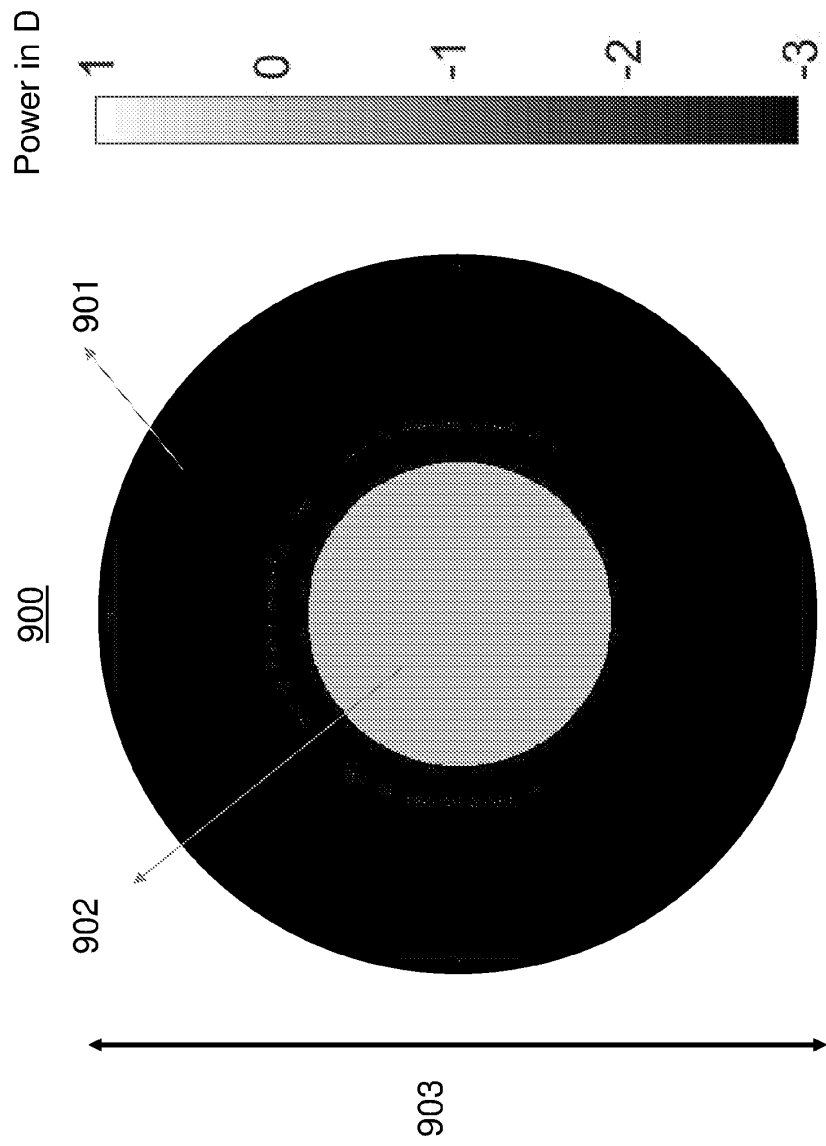


Figure 9

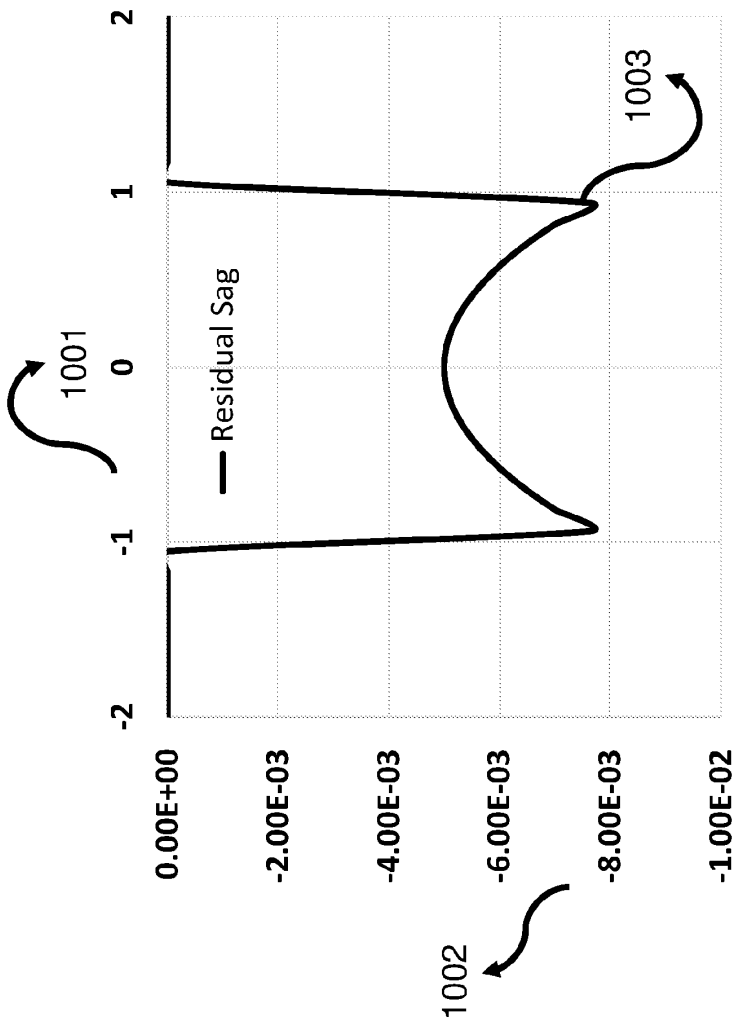


Figure 10

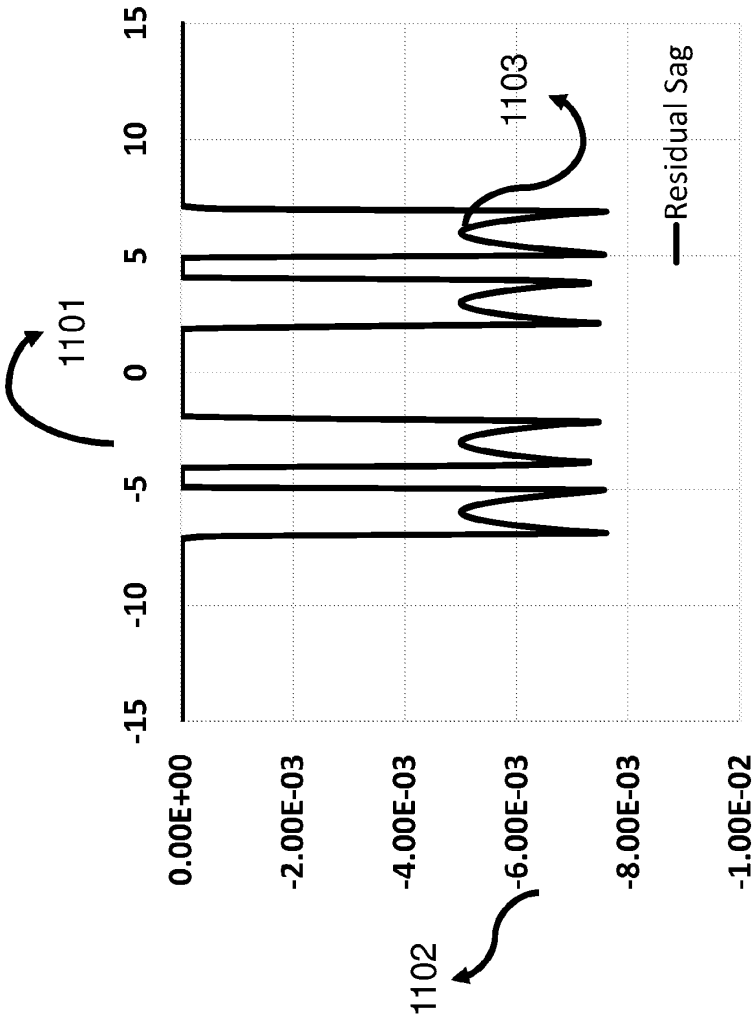


Figure 11

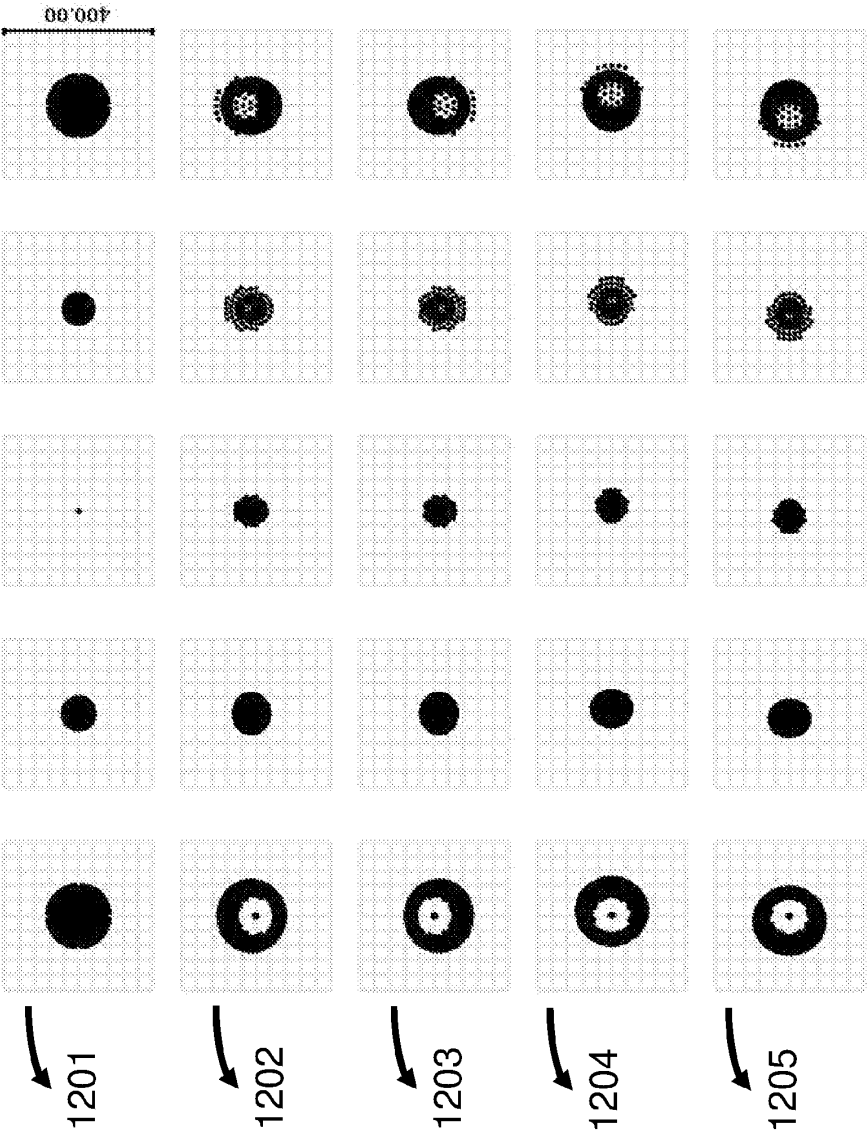


Figure 12

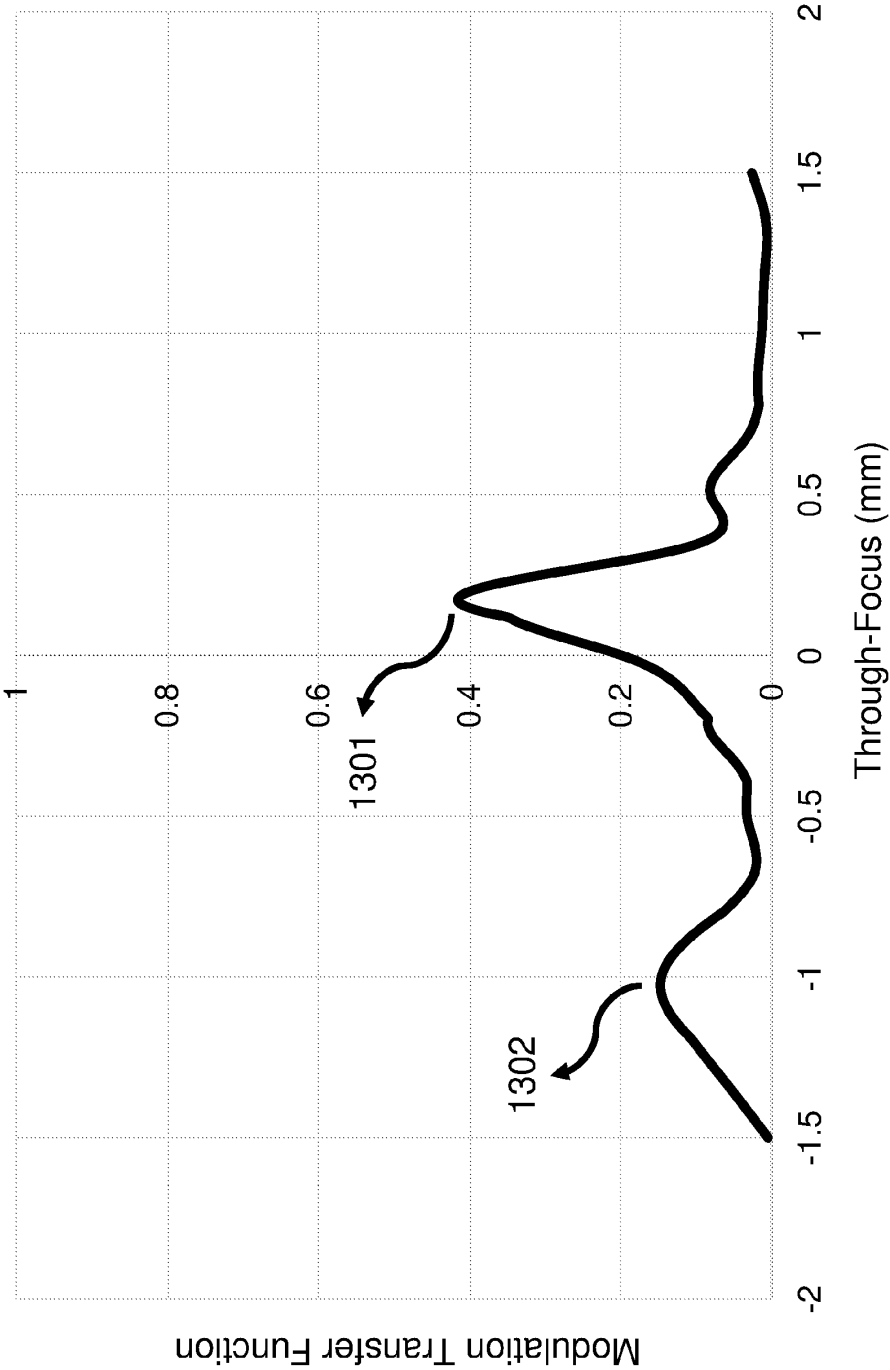


Figure 13

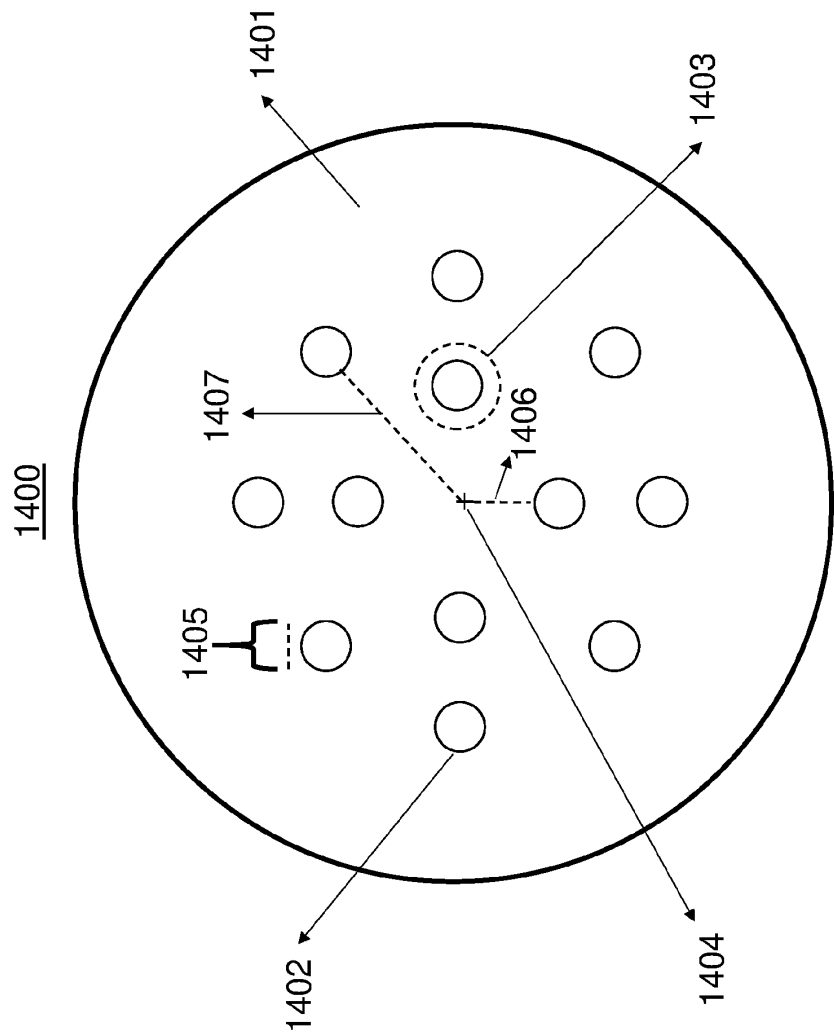


Figure 14

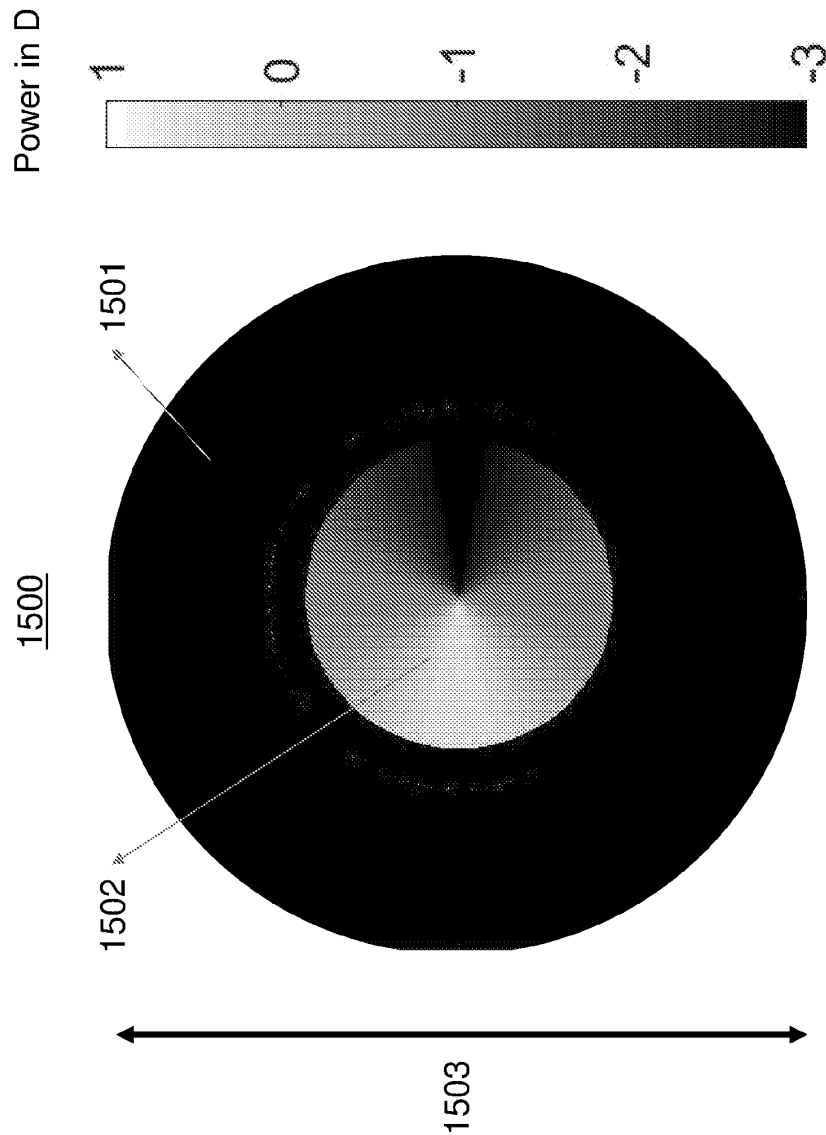


Figure 15

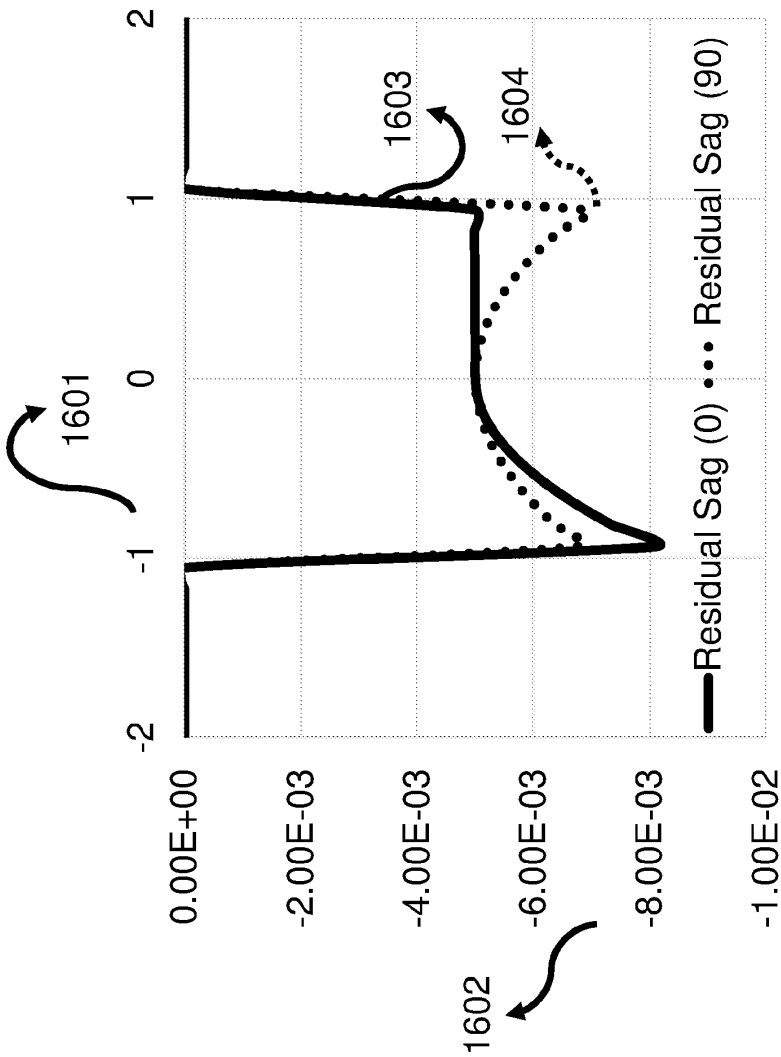


Figure 16

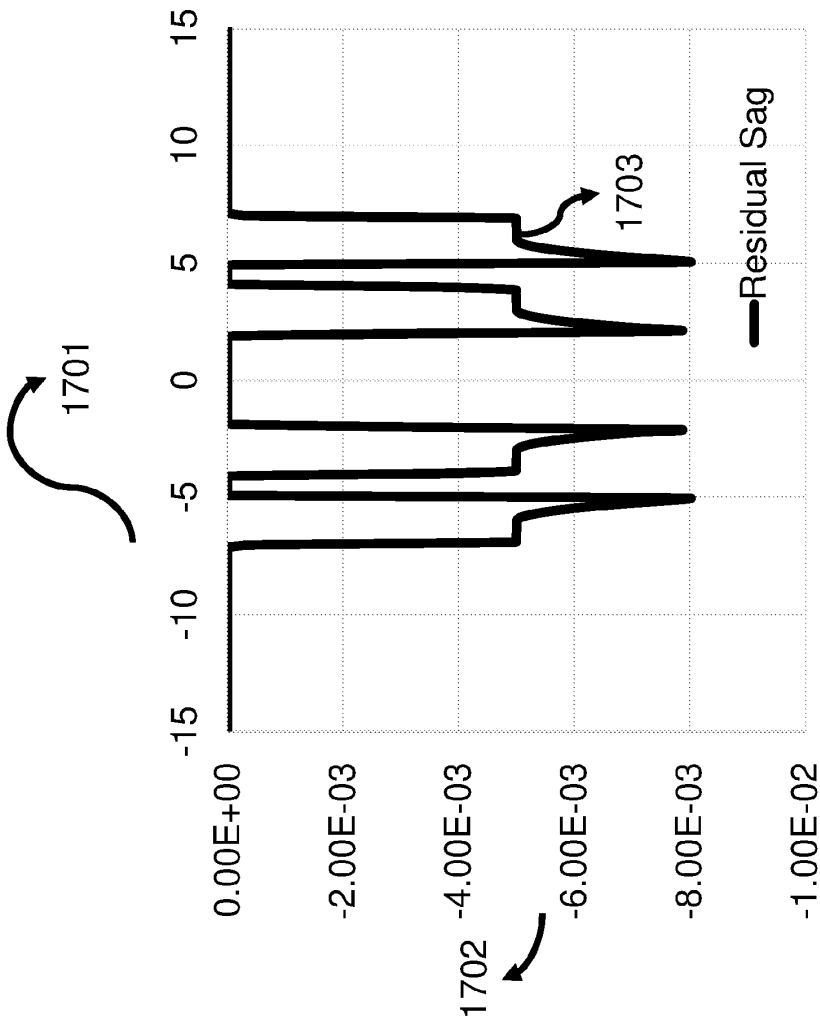


Figure 17

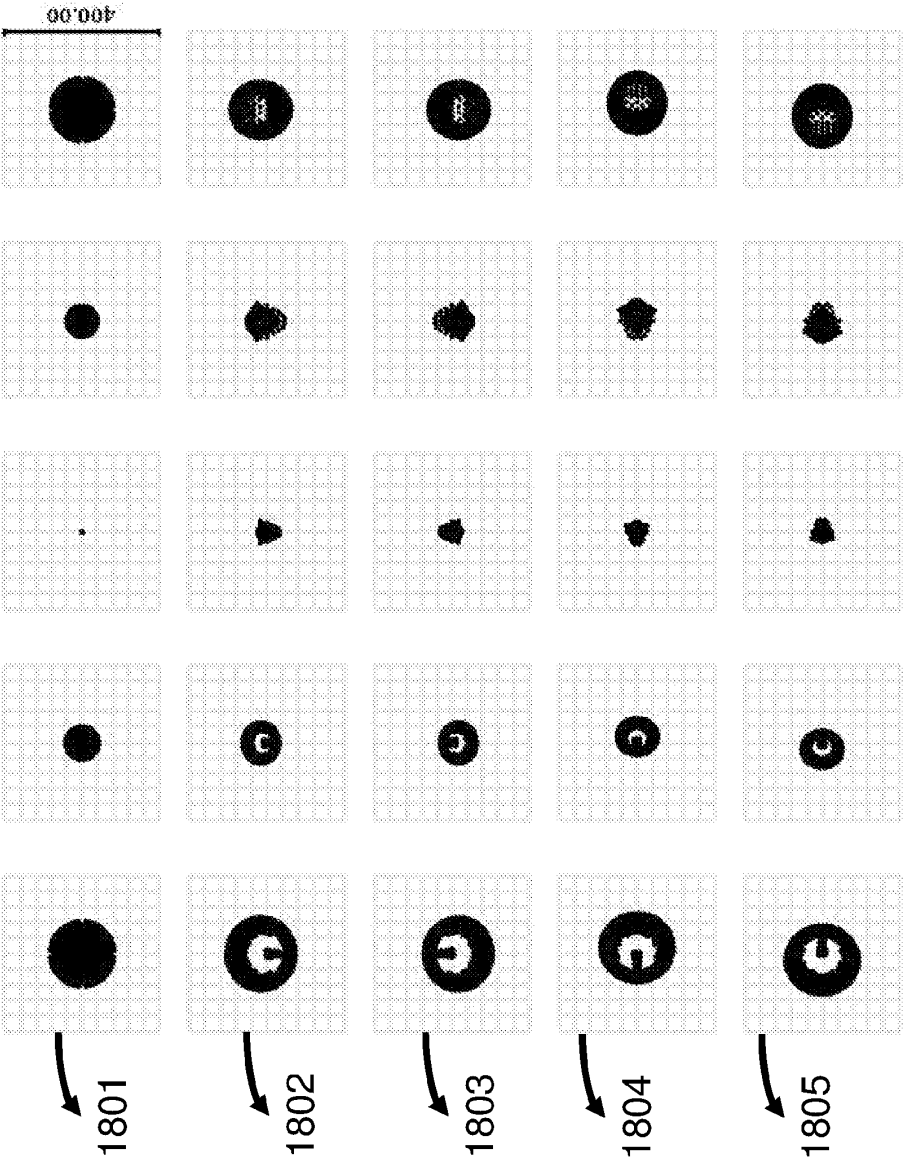


Figure 18

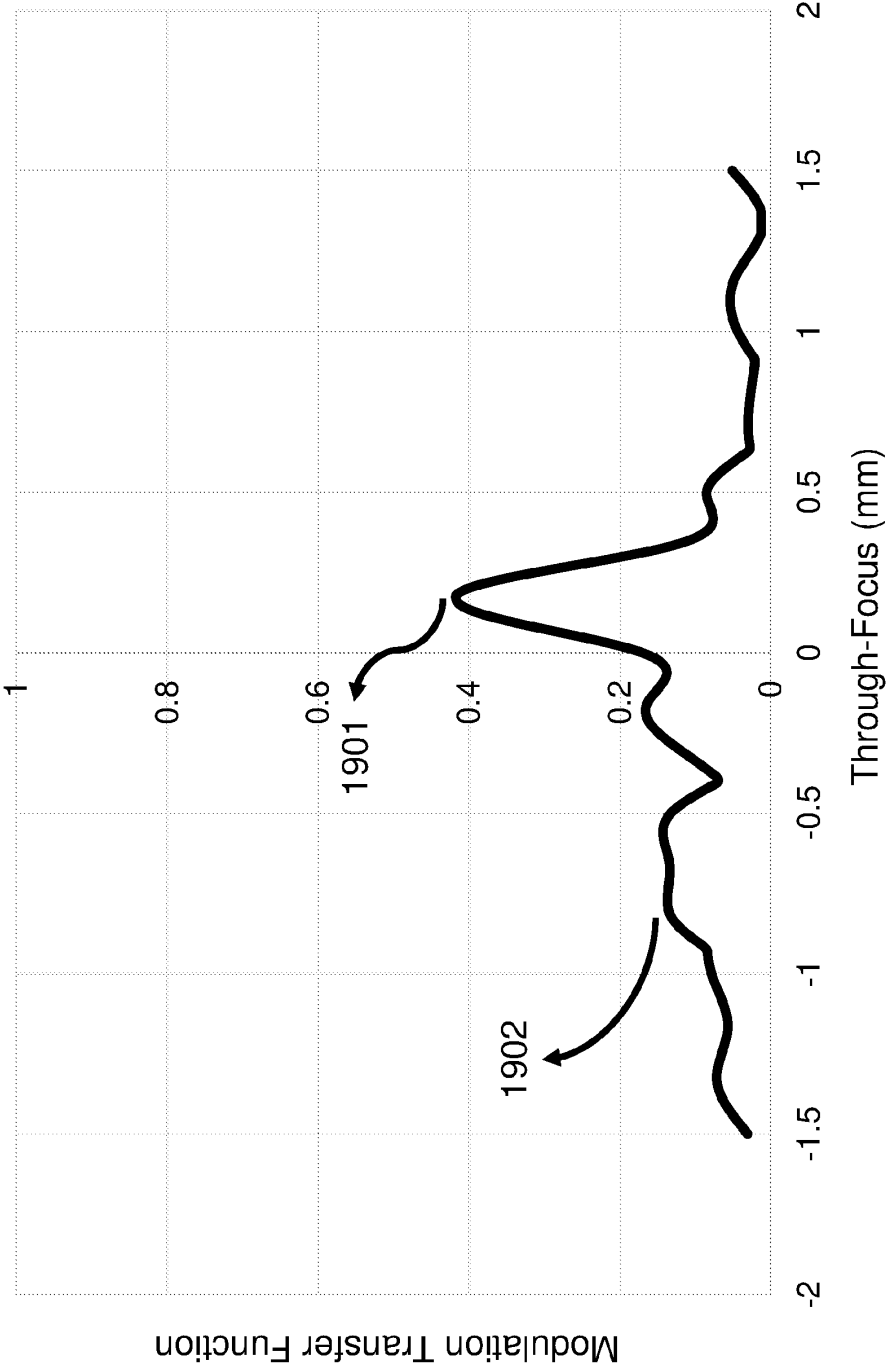


Figure 19

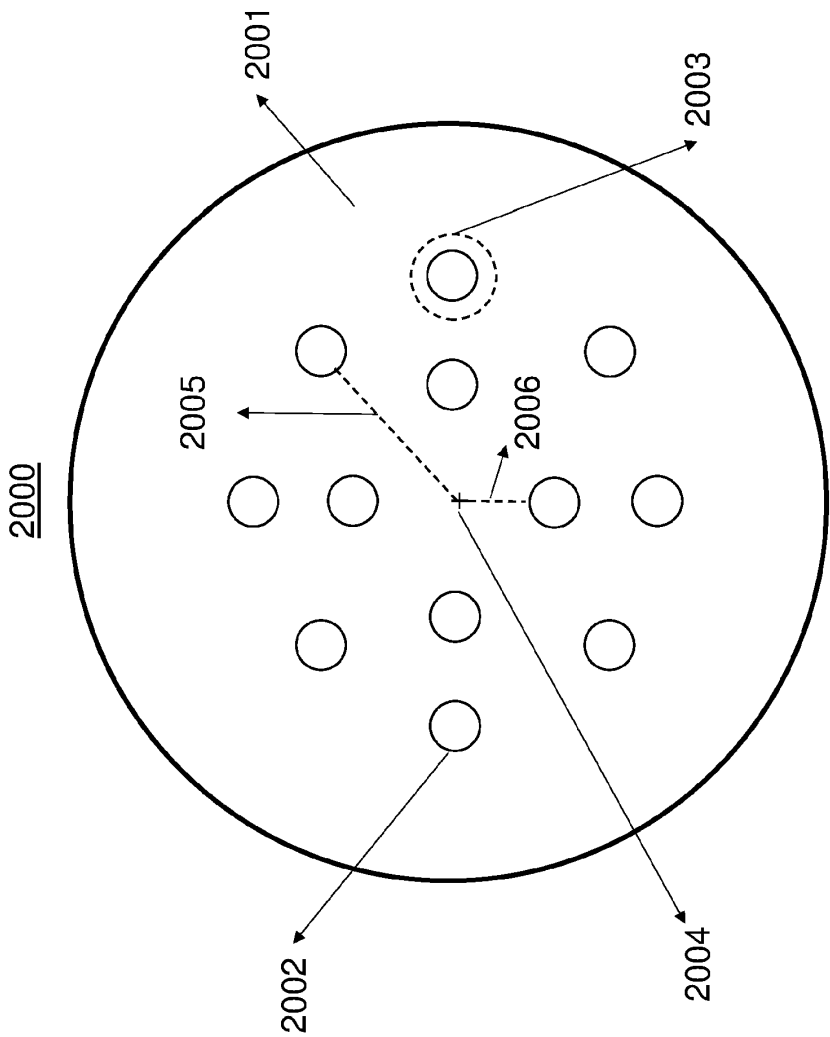


Figure 20

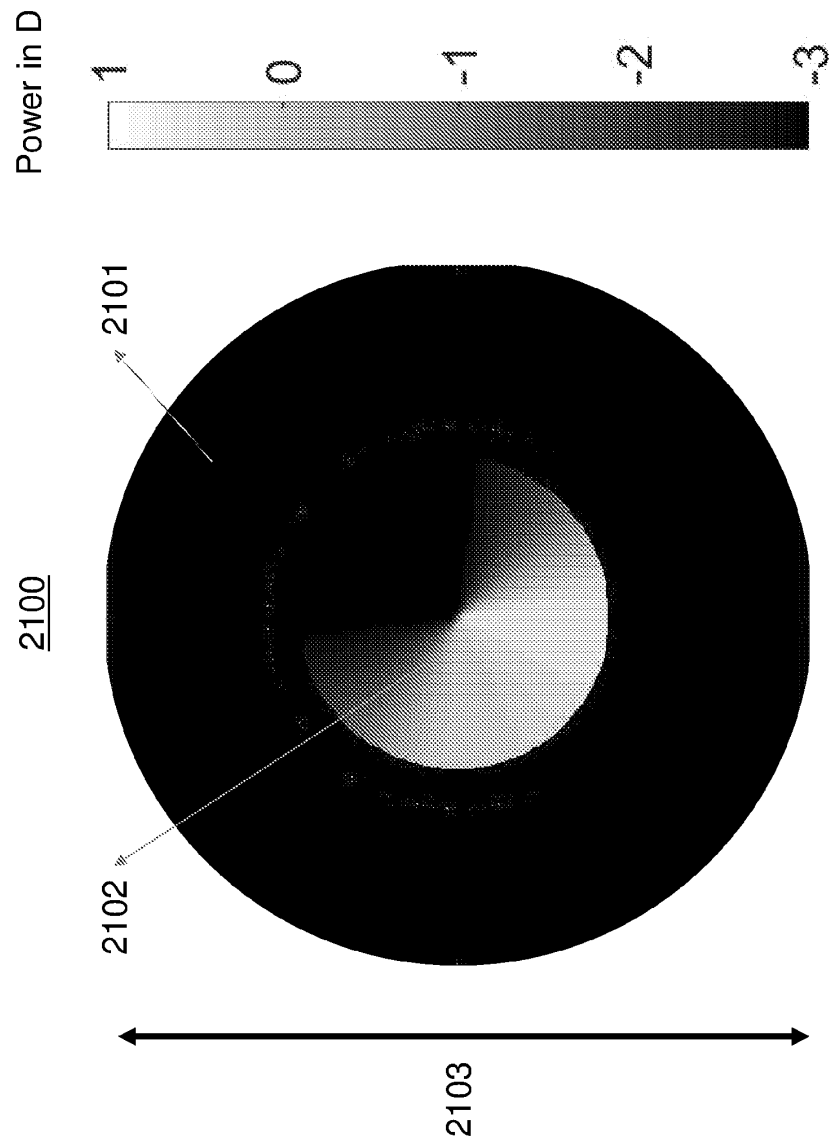


Figure 21

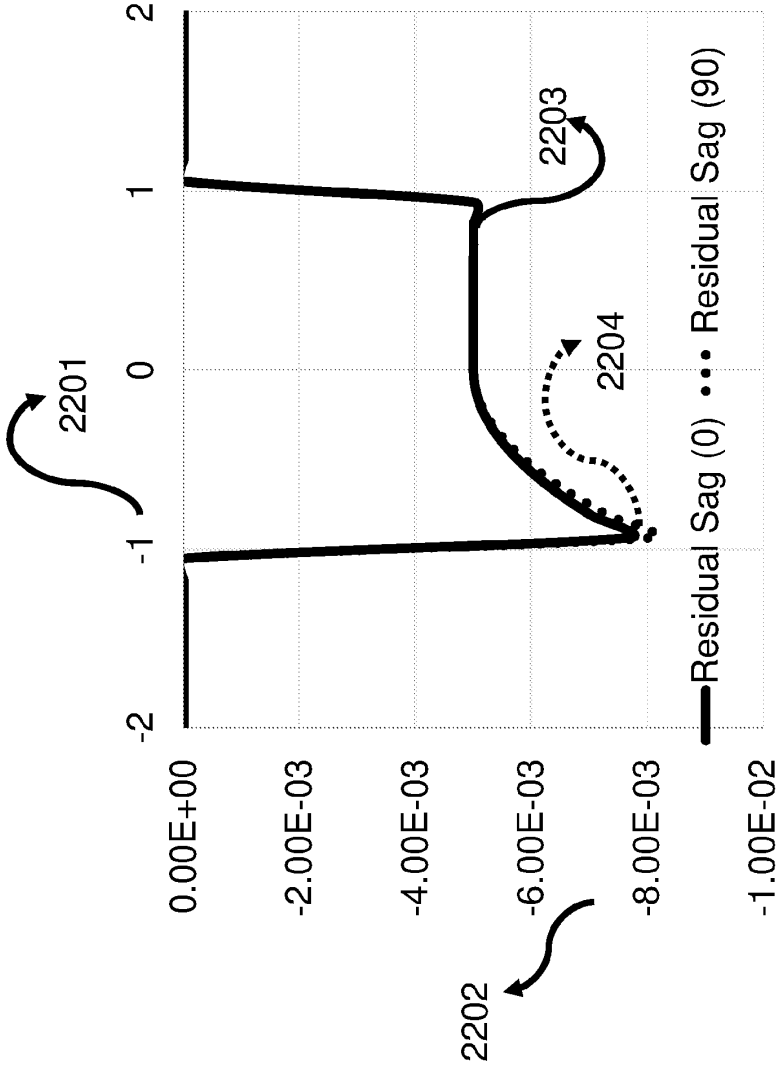


Figure 22

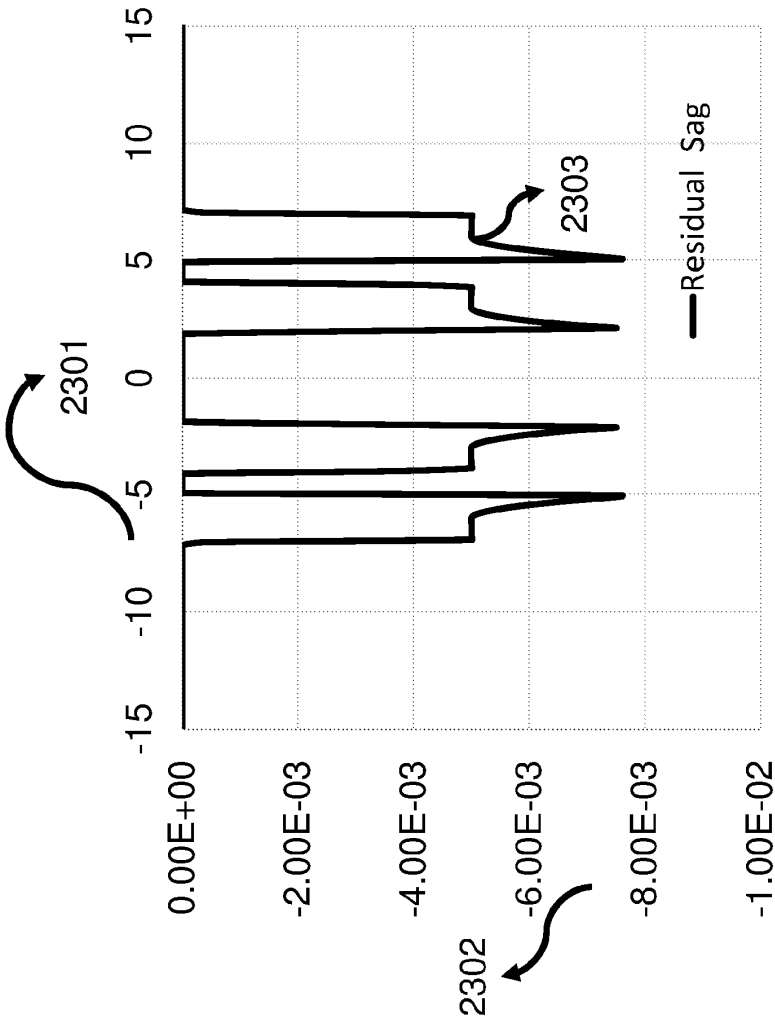


Figure 23

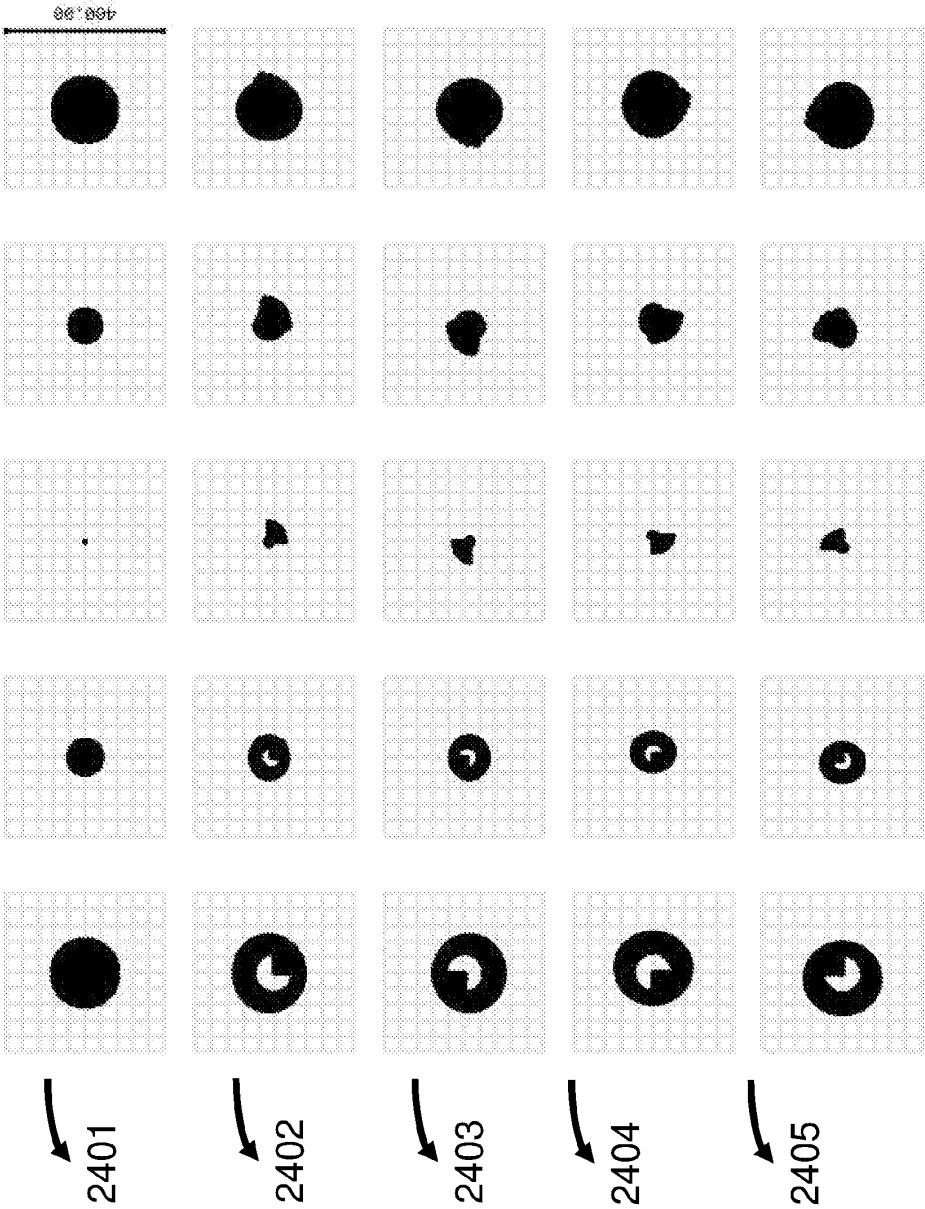


Figure 24

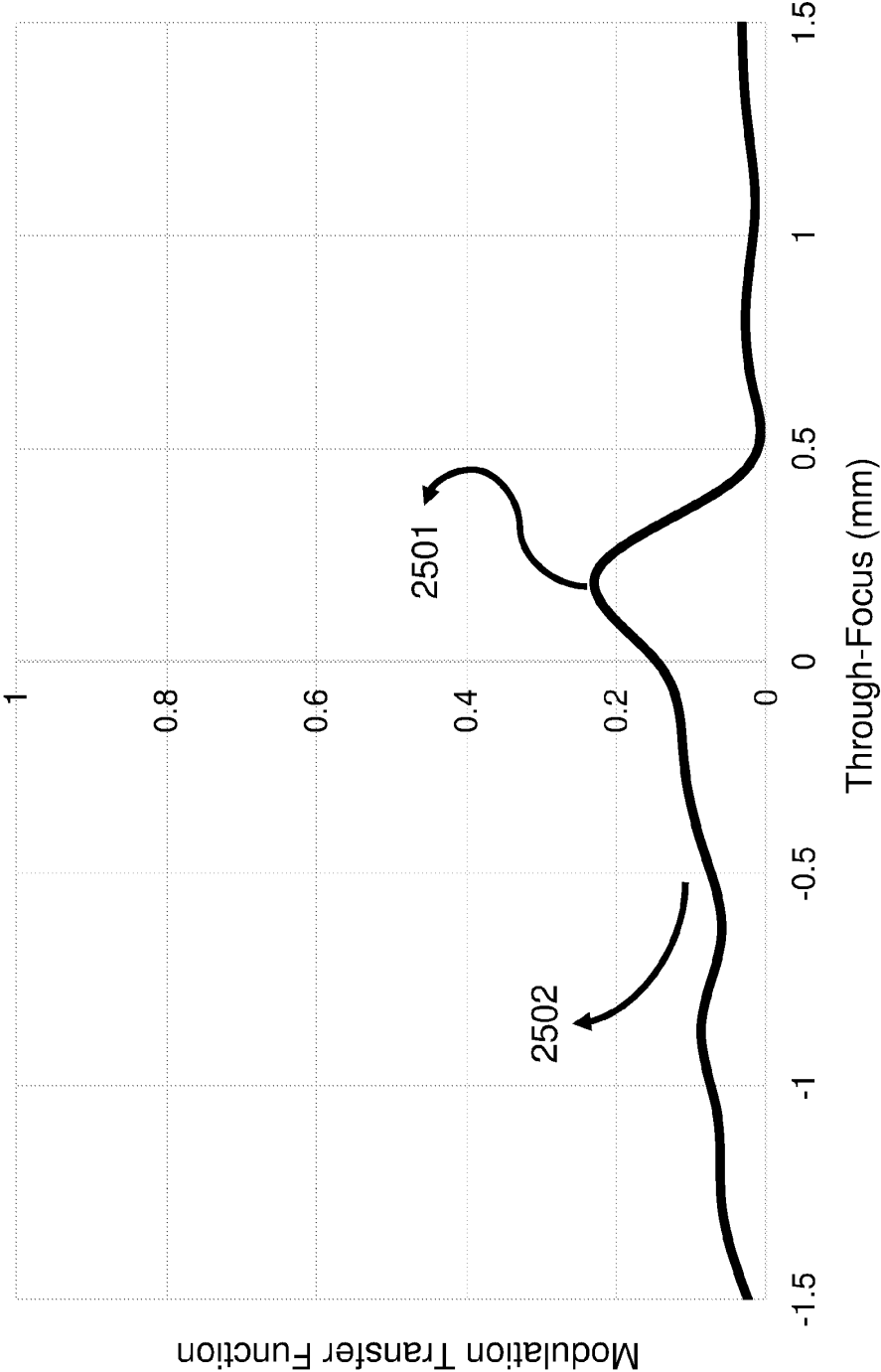


Figure 25

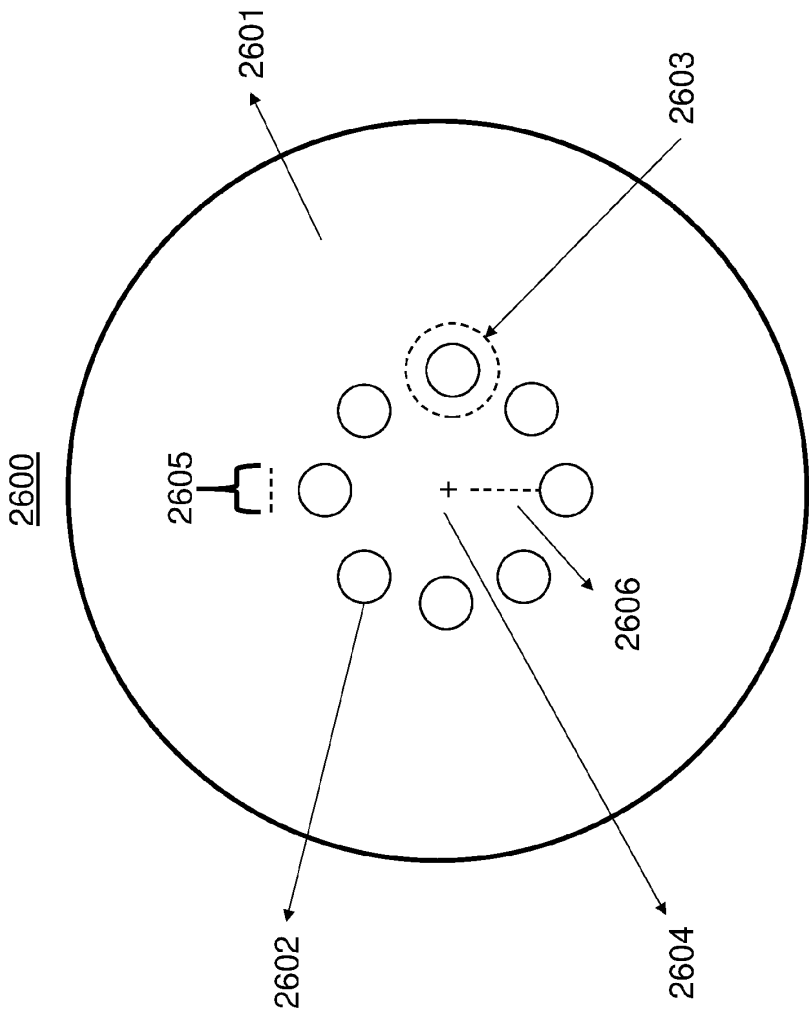


Figure 26

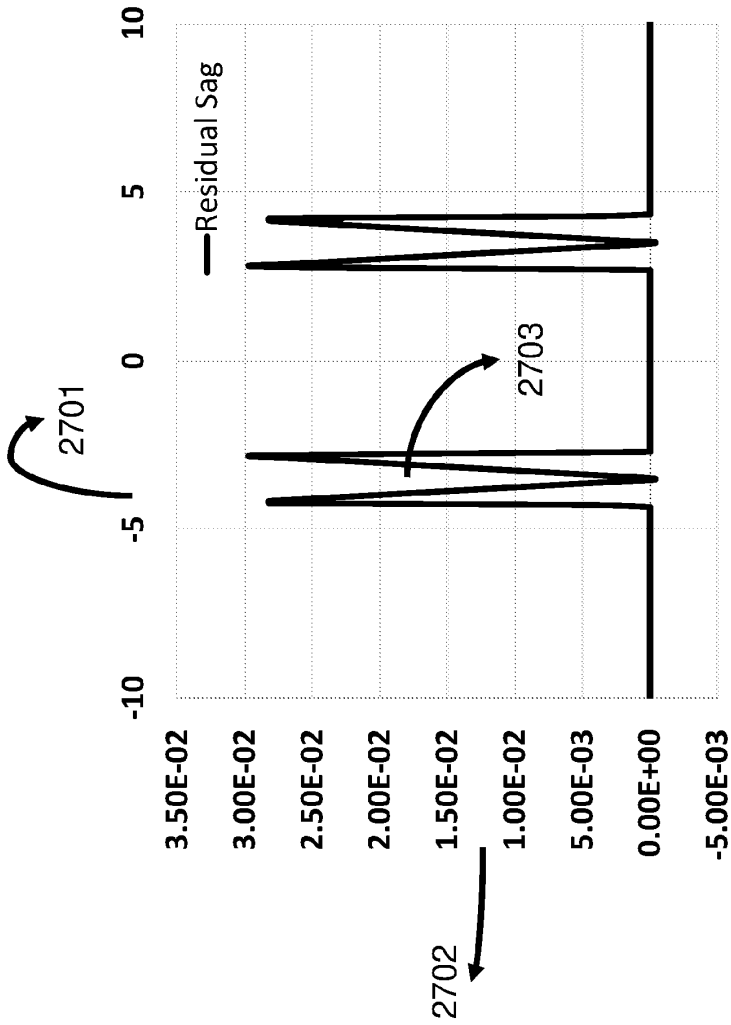


Figure 27

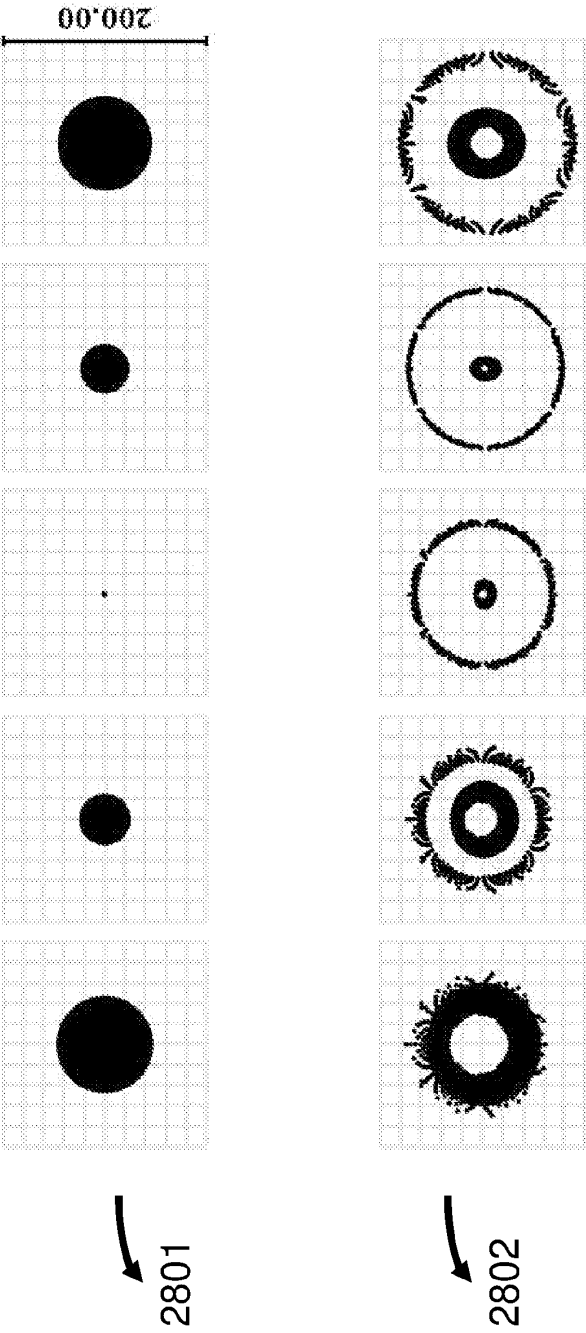


Figure 28

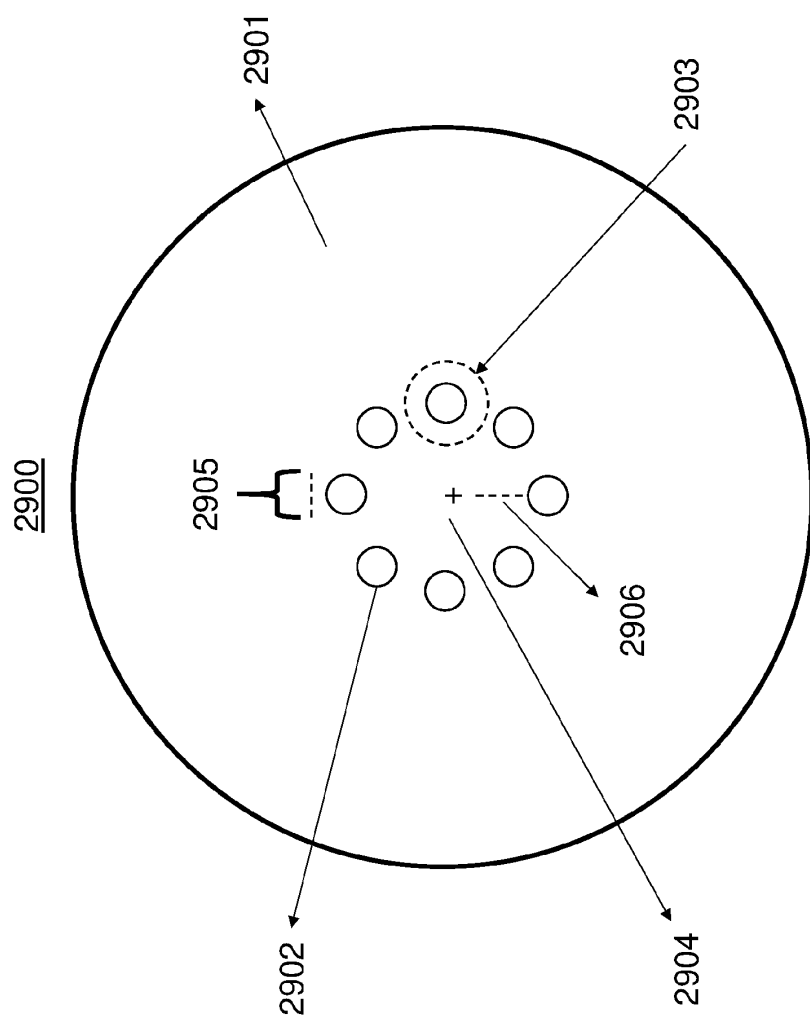


Figure 29

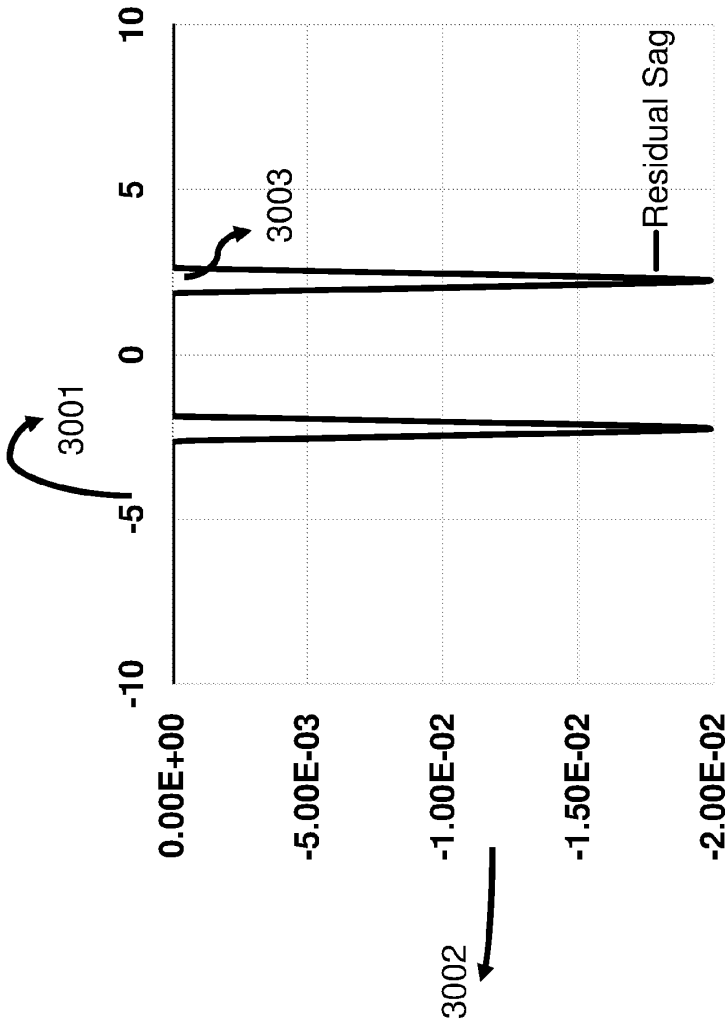


Figure 30

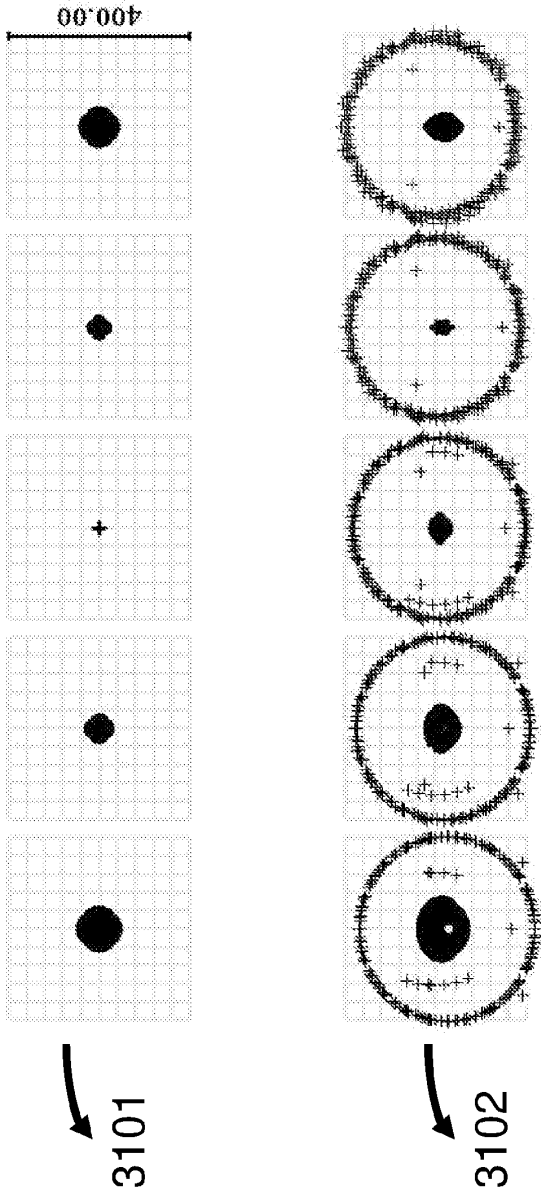


Figure 31

A. CLASSIFICATION OF SUBJECT MATTER

G02C 7/08 (2006.01) G02B 3/02 (2006.01)

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)

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 practicable, search terms used)

Data bases: GOOGLE;GOOGLE PATENTS; ESPACENET; PATENW; INSPEC.**IPC/CPC:** G02C7/02; G02C7/08; G02C7/086; G02C2202/04; G02C2202/24; G02B3/02.**Keywords:** spectacle, eyeglass, lens, auxiliary, axicon, cone, peacock, light sword, depth of focus, extend, elongate, sag, optical path difference, even/odd asphere, and like terms.**Applicant and inventor names:** "Nthalmic" in applicant fields, and "Ravi Bakaraju" and "Klaus Ehrmann" in inventor fields in external data bases, and in internal data bases provided by IP Australia.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
	Documents are listed in the continuation of Box C	



Further documents are listed in the continuation of Box C



See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"D" document cited by the applicant in the international application	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
26 February 2021Date of mailing of the international search report
26 February 2021

Name and mailing address of the ISA/AU

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INTERNATIONAL SEARCH REPORT		International application No.
C (Cot	WO 2021/159170	PCT/AU2021/050103
ELEMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 2019/0302481 A1 (Reopia Optics, LLC) 03 October 2019 figs 3C, 13, 17; [2, 11, 13, 86-87, 129-130, 161, 164, 168, 171-173, 176, 190] fig 13; [172]	1-4, 14-17, 19-21 6
X A	WO 2020/008804 A1 (ITOH OPTICAL IND et al.) 09 January 2020 & machine translation by Espacenet fig 2; [23, 45, 47-49, 59, 75-76, 78, 96] fig 2; [26]	1-4, 14-17, 19-21 6
X	US 2006/0034003 A1 (Zalevsky) 16 February 2006 figs 1A-1D; [2, 35-37, 41, 70-74, 78, 94, 100]	1-5, 14-21
A	Romero, Lenny A., et al., 'Double peacock eye optical element for extended focal depth imaging with ophthalmic applications', <i>Journal of Biomedical Optics</i> 17(4) (April 2012) abstract; sections 1-2	9, 11
P,X	WO 2020/069232 A1 (REOPIA OPTICS, LLC) 02 April 2020 fig 17A-17B, [147-150, 207-208]	1-10, 12-21

INTERNATIONAL SEARCH REPORT		International application No.	
WO 2021/159170		PCT/AU2021/050103	
1 patent family members			
This Annex lists known patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.			
Patent Document/s Cited in Search Report		Patent Family Member/s	
Publication Number	Publication Date	Publication Number	Publication Date
US 2019/0302481 A1	03 October 2019	US 2019302481 A1	03 Oct 2019
		US 10921612 B2	16 Feb 2021
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		US 10921612 B2	16 Feb 2021
		US 2020089023 A1	19 Mar 2020

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

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INTERNATIONAL SEARCH REPORT WO 2021/159170		International application No. PCT/AU2021/050103	
1 patent family members			
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Patent Document/s Cited in Search Report		Patent Family Member/s	
Publication Number	Publication Date	Publication Number	Publication Date
		WO 2019191510 A1	03 Oct 2019
End of Annex			
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001. Form PCT/ISA/210 (Family Annex)(July 2019)			