

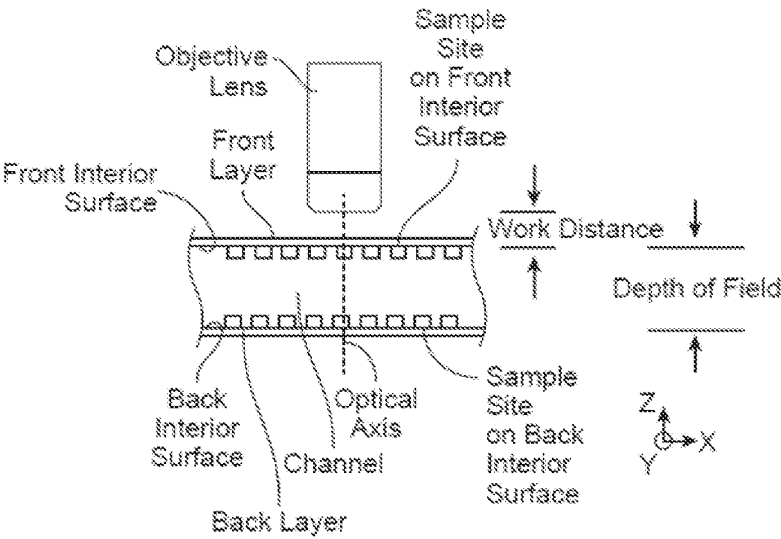


FIG. 1A

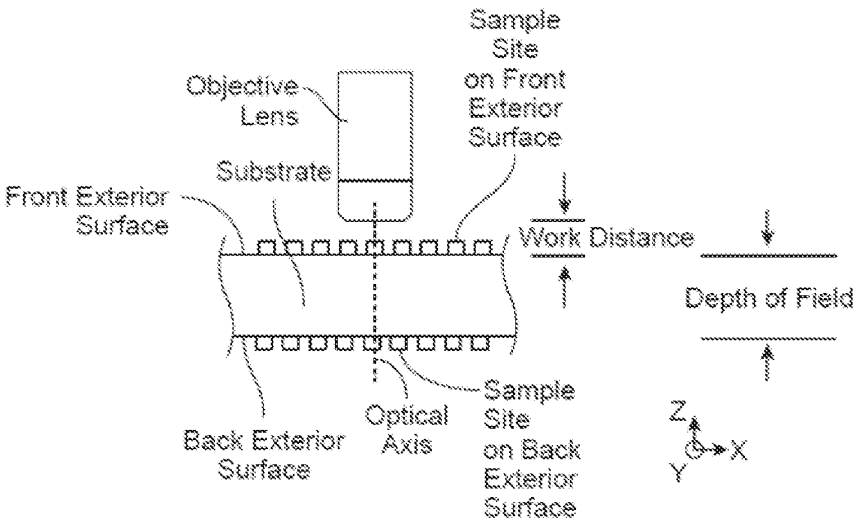


FIG. 1B

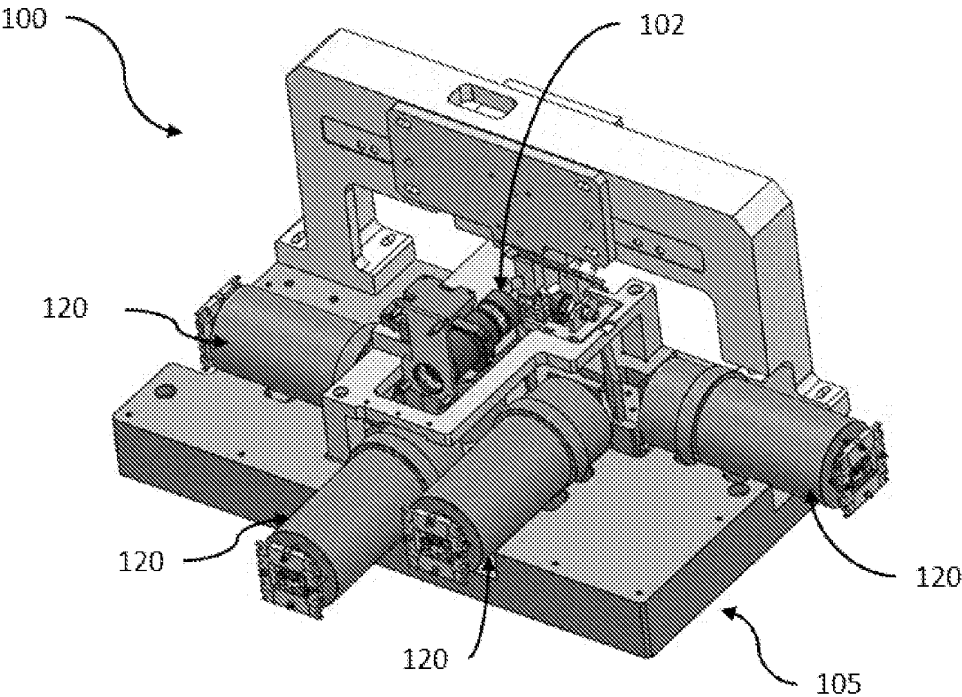


FIG. 2A

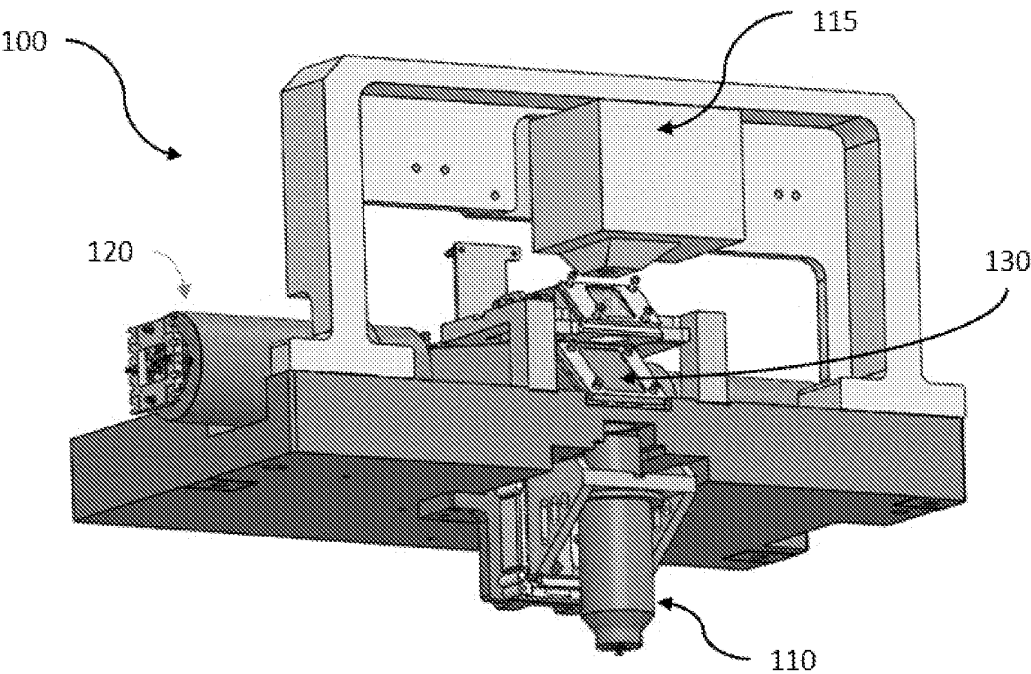


FIG. 2B

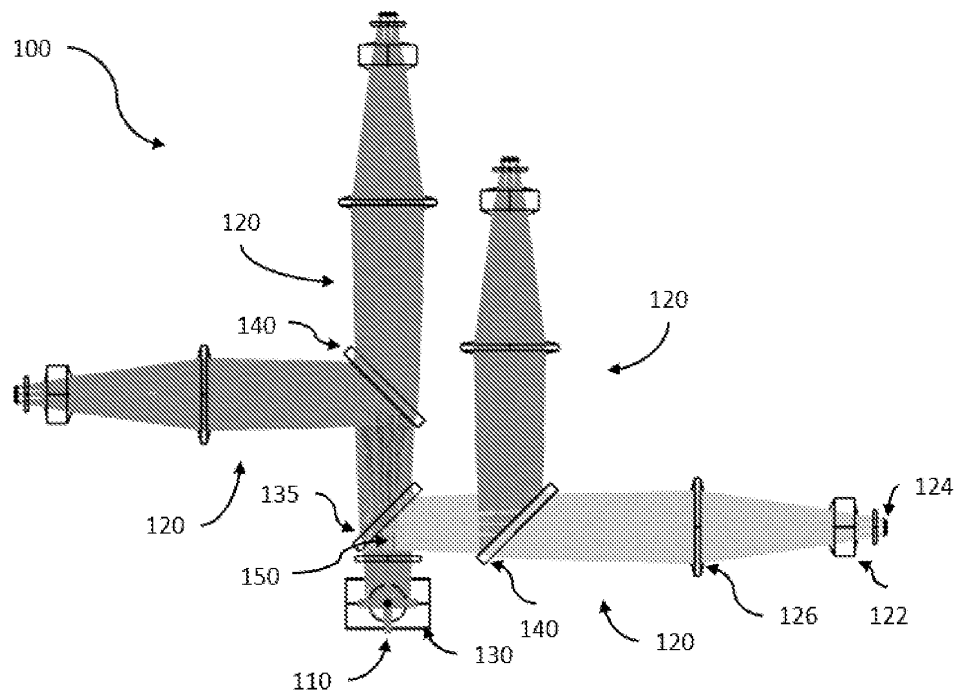


FIG. 3A

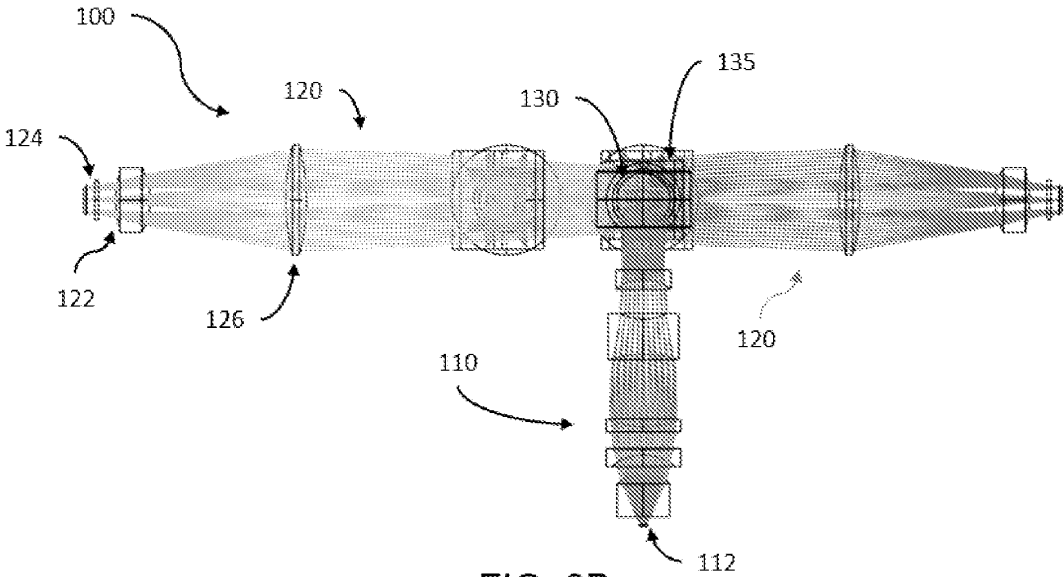


FIG. 3B

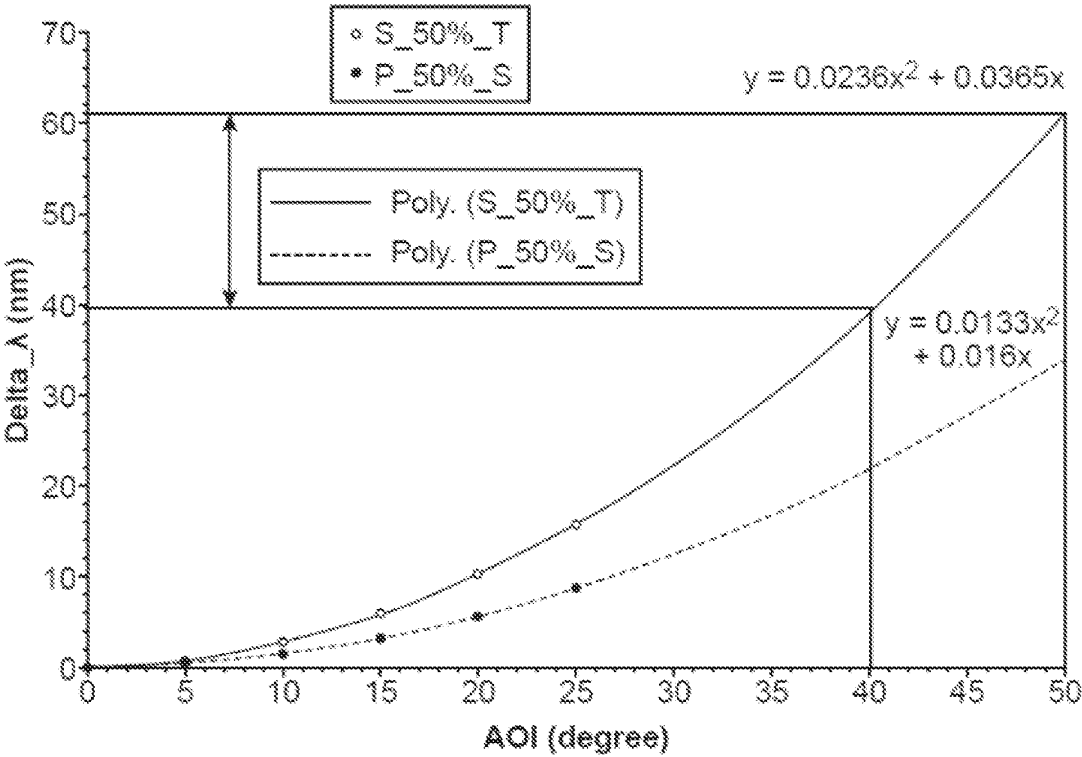


FIG. 4

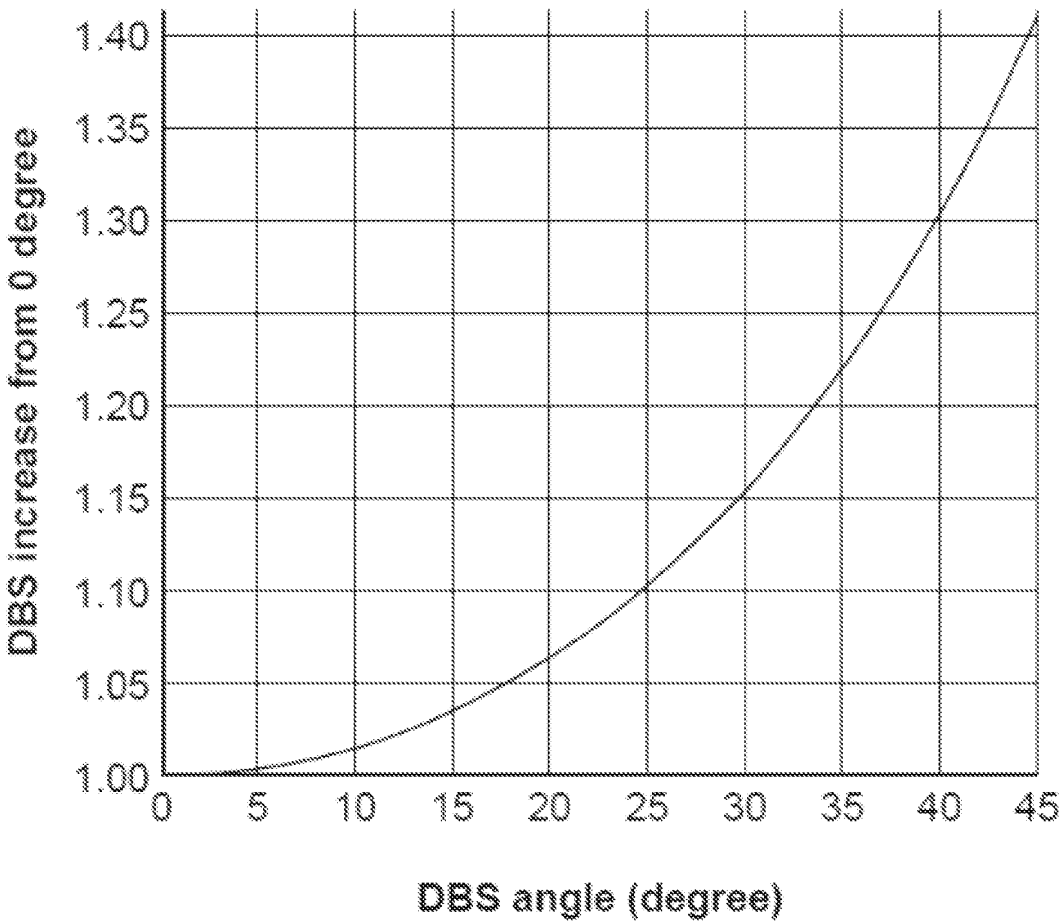


FIG. 5

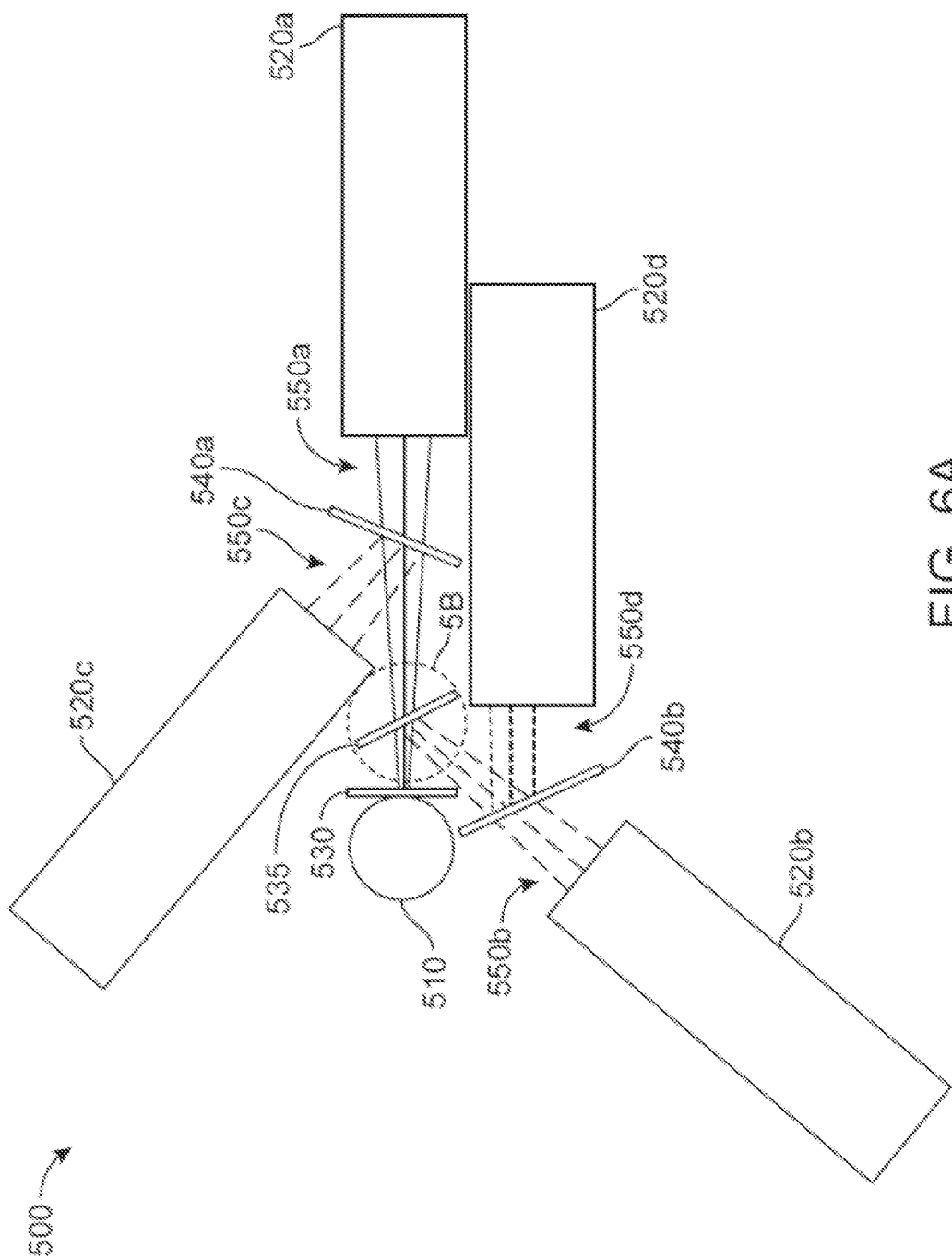


FIG. 6A

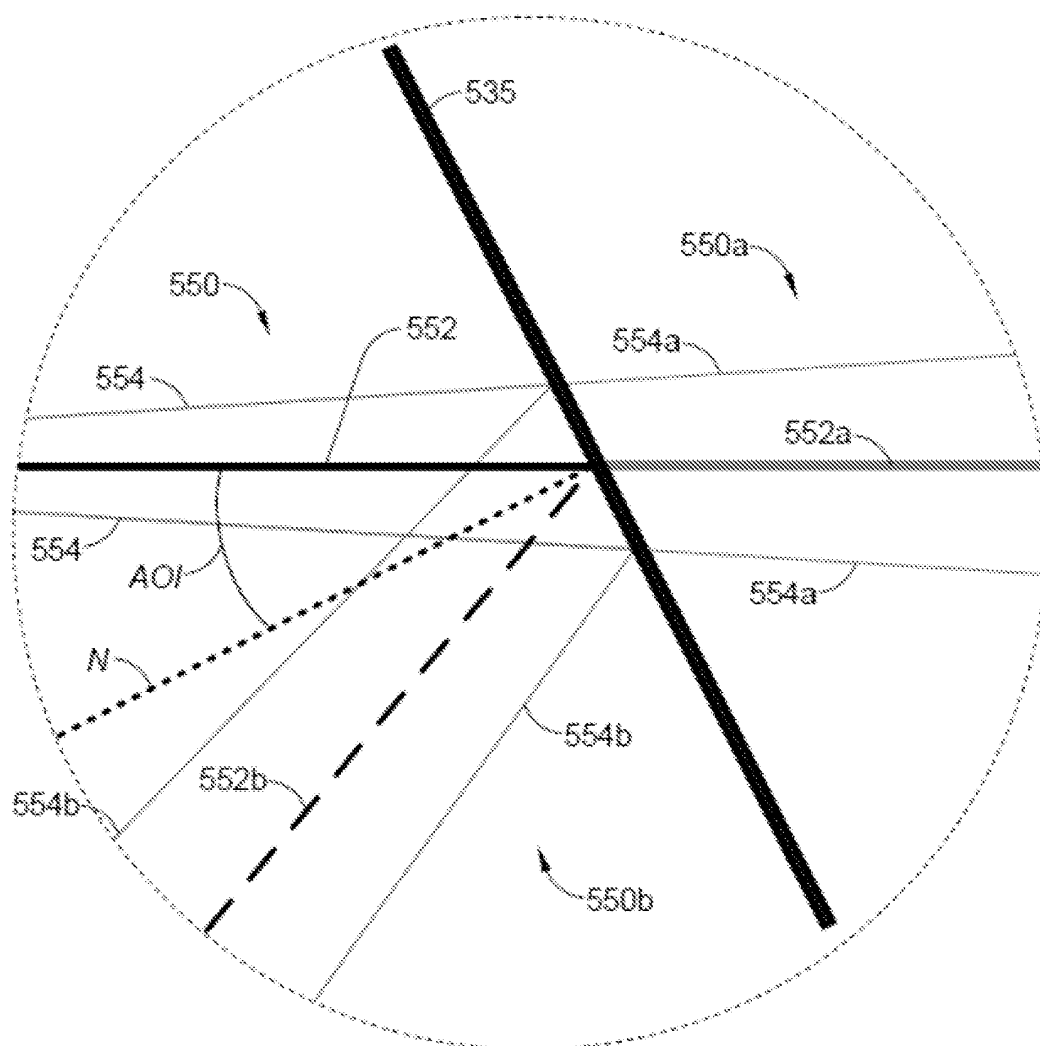


FIG. 6B

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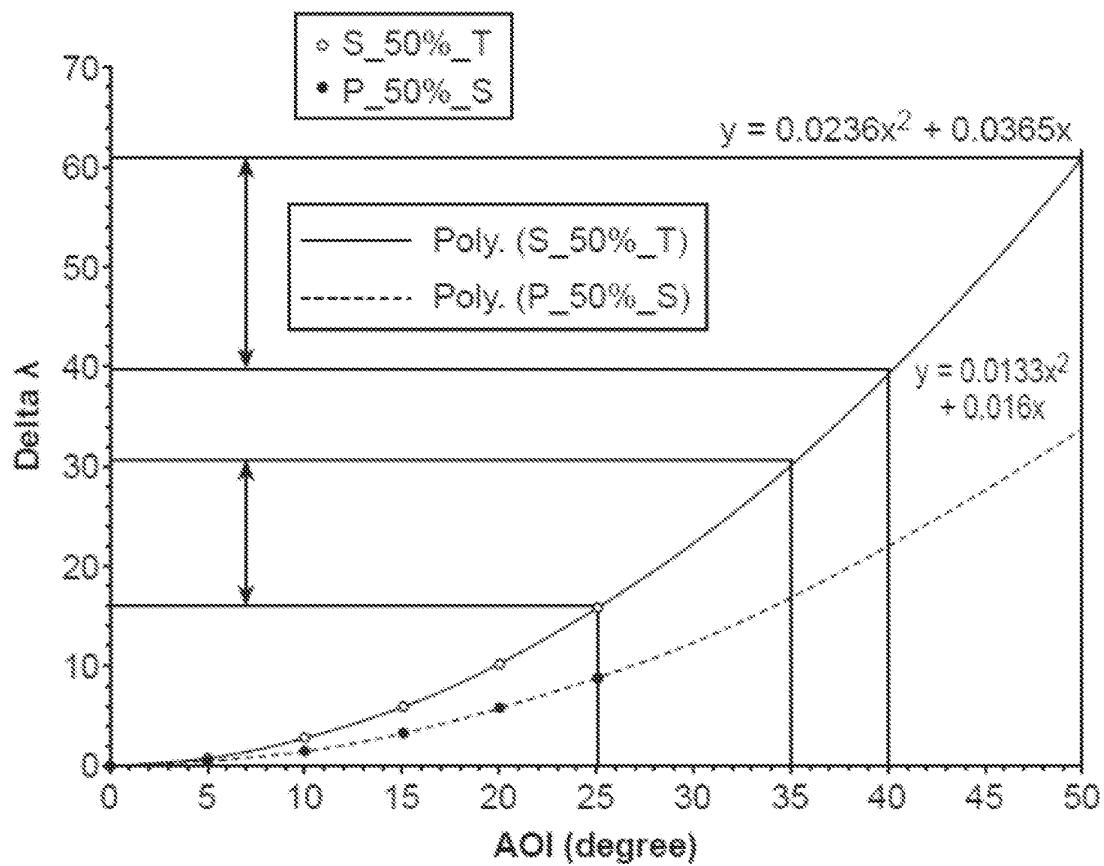


FIG. 7

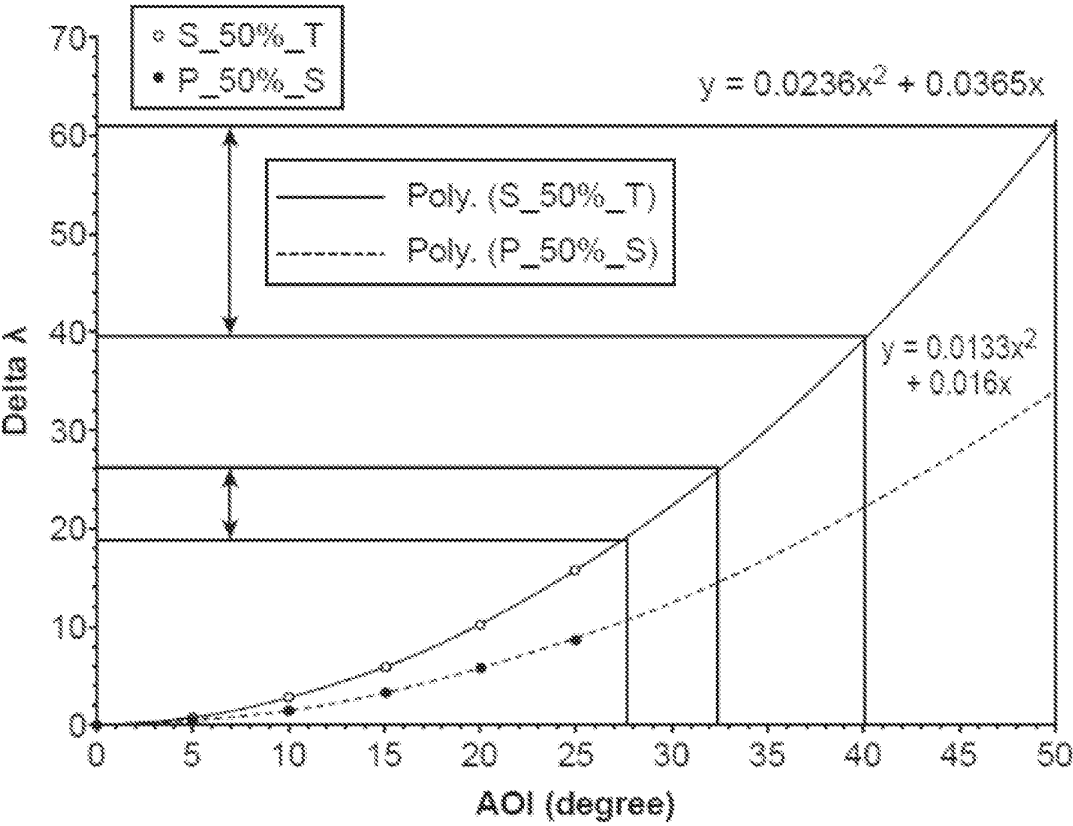


FIG. 8

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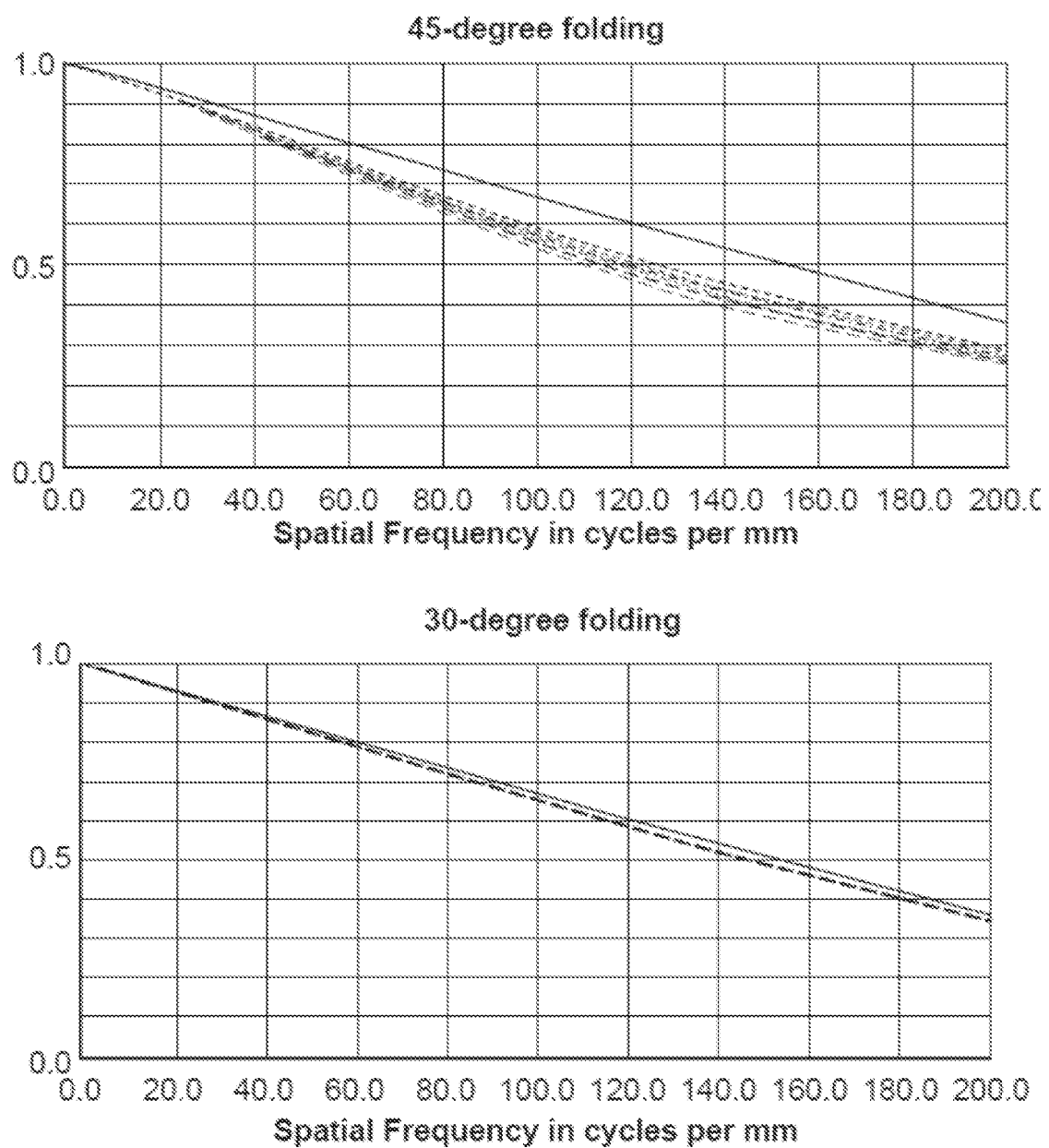


FIG 9A

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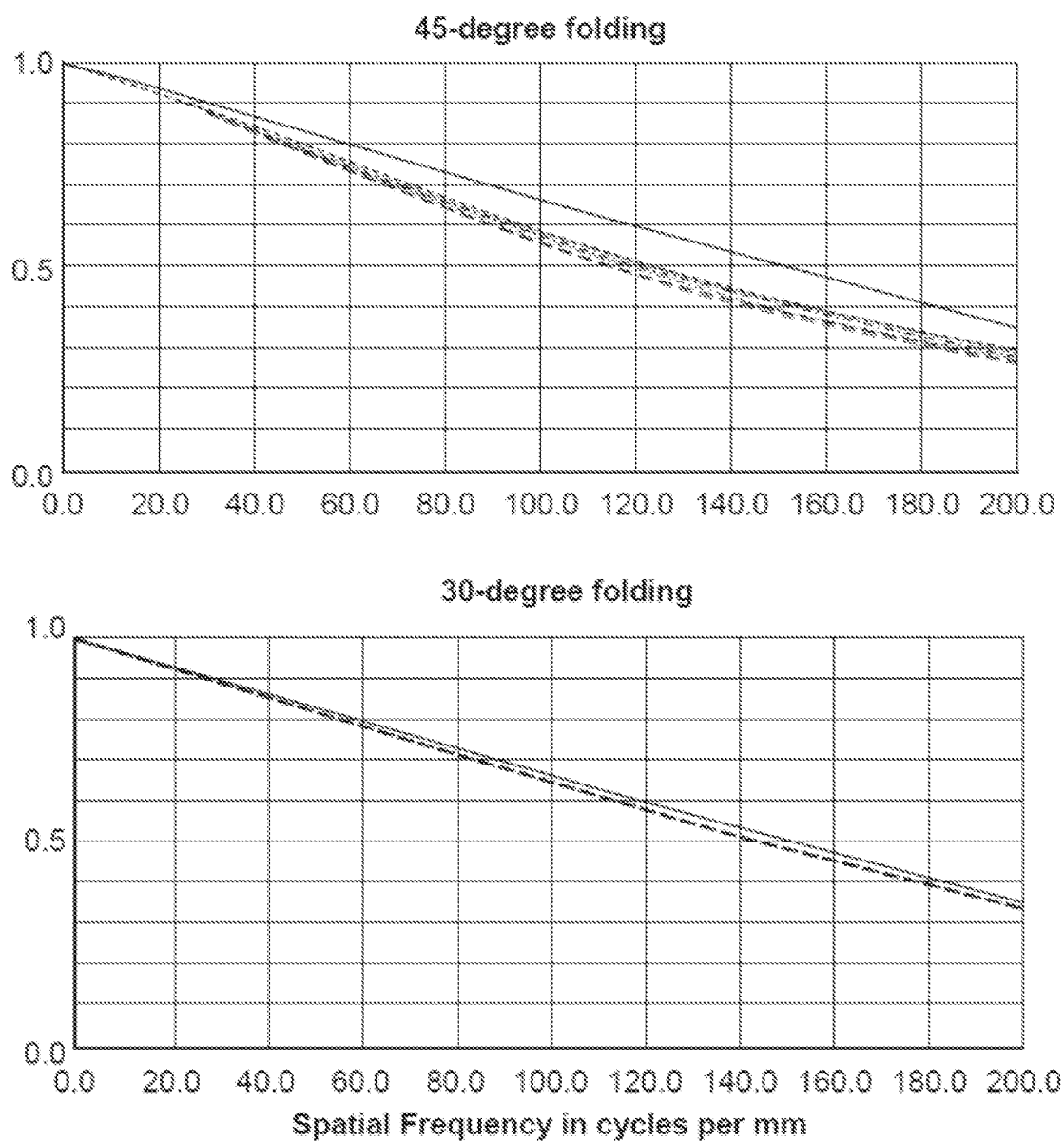


FIG. 9B

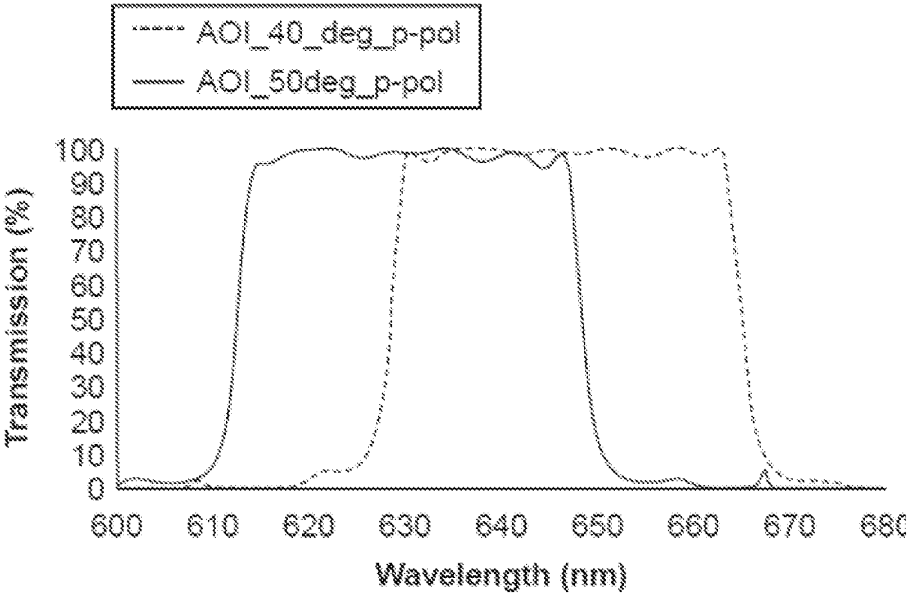


FIG. 10A

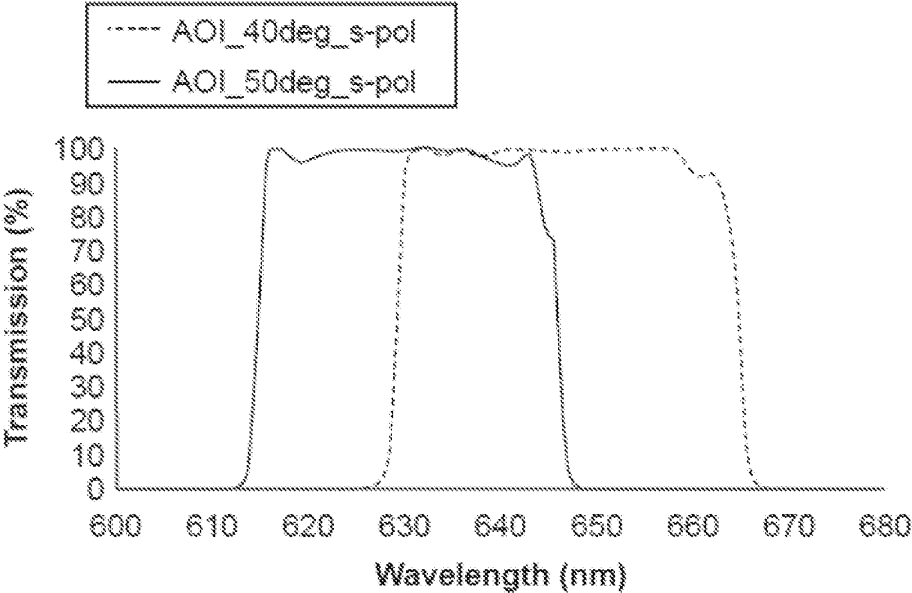


FIG. 10B

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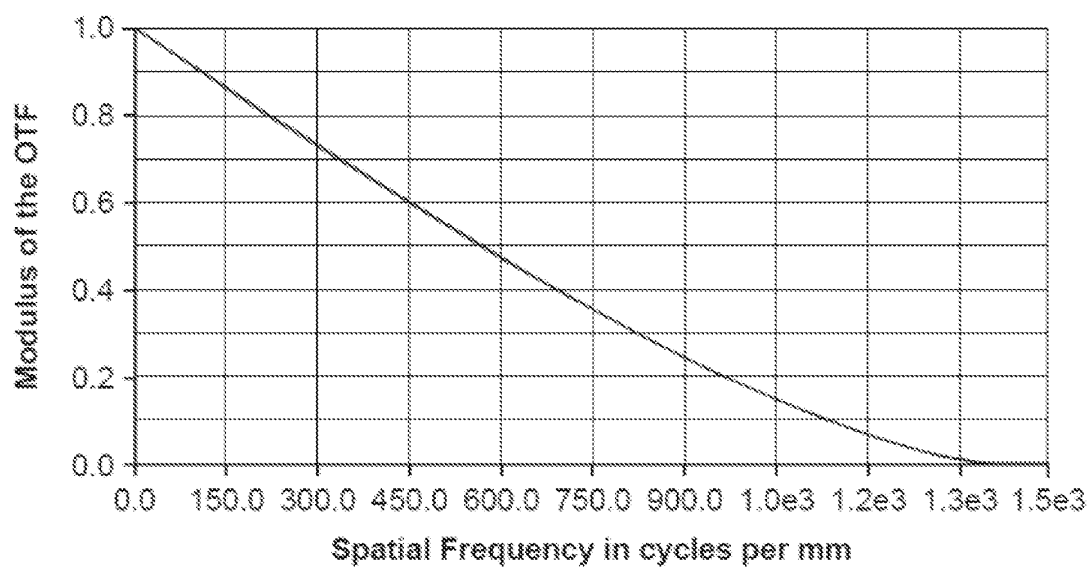


FIG. 11A

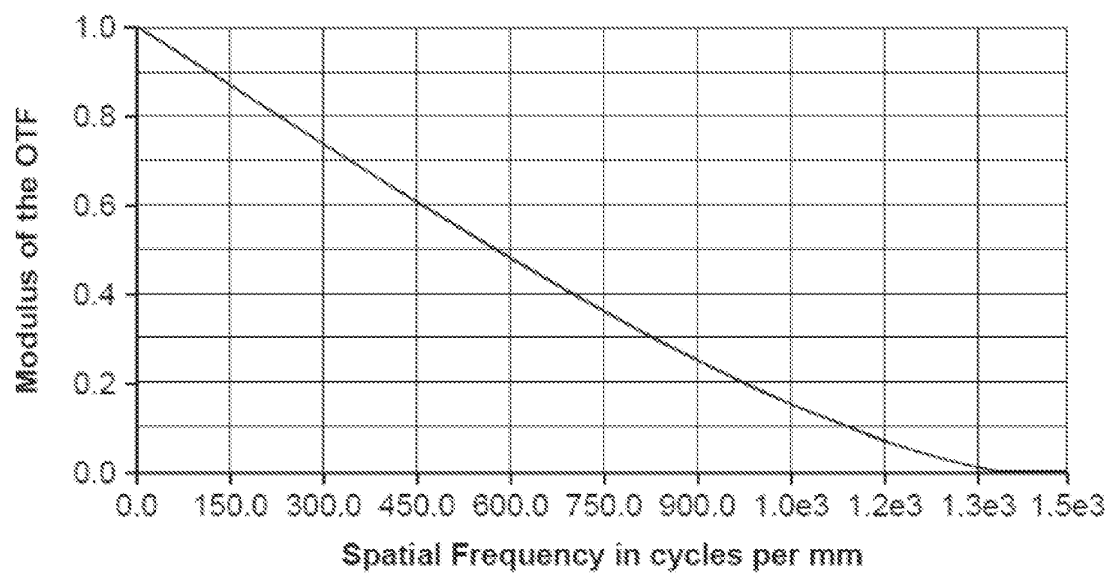


FIG. 11B

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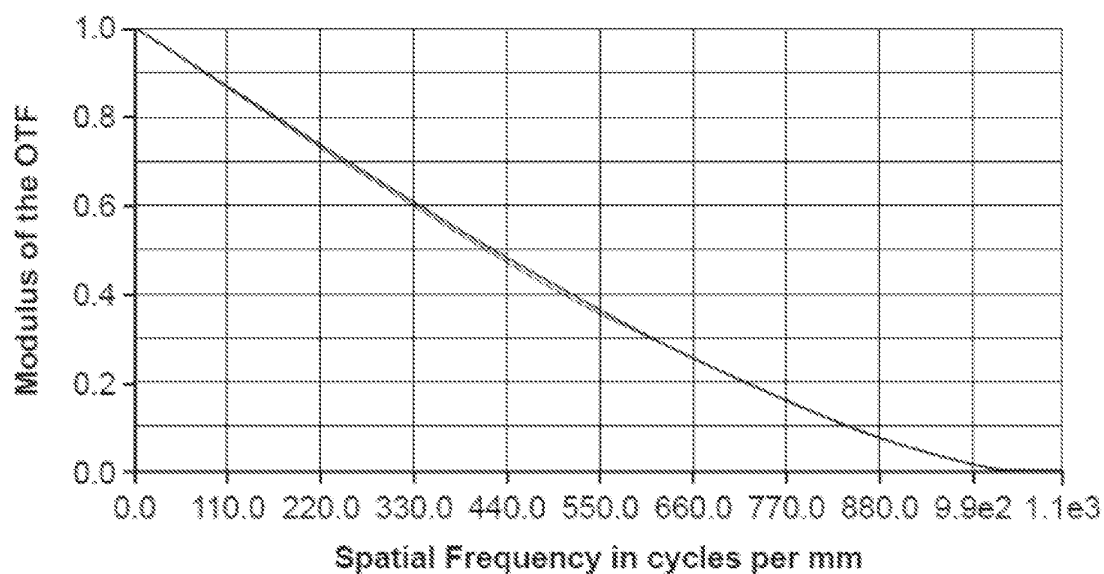


FIG. 12A

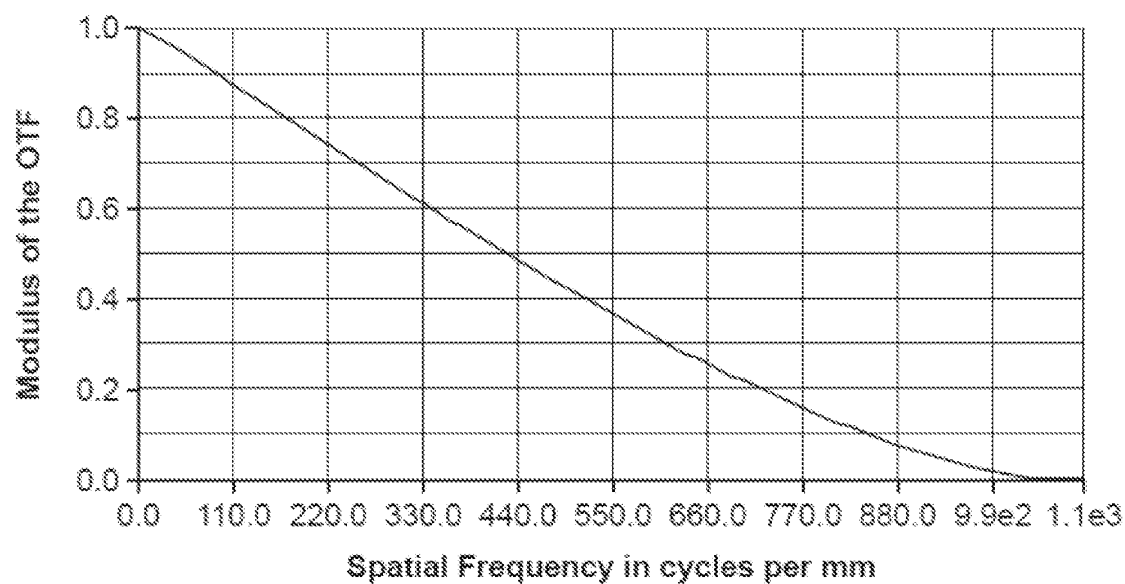


FIG. 12B

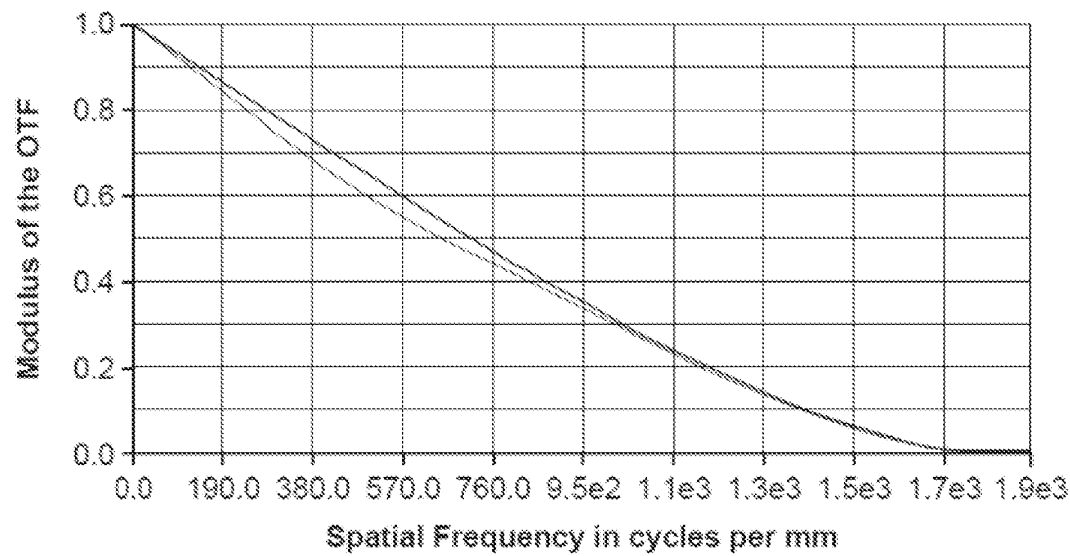


FIG. 13A

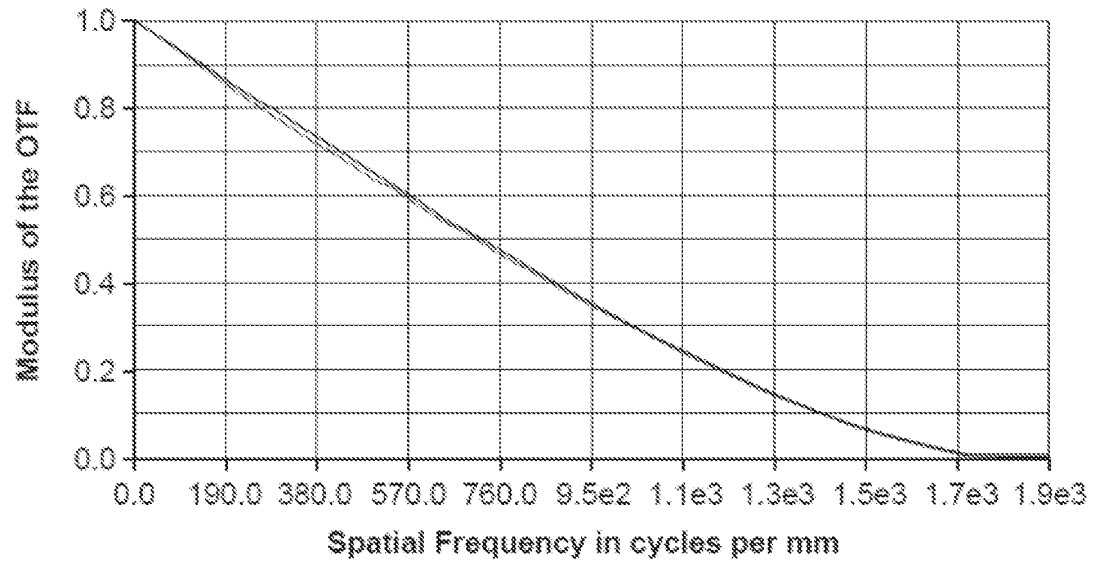


FIG. 13B

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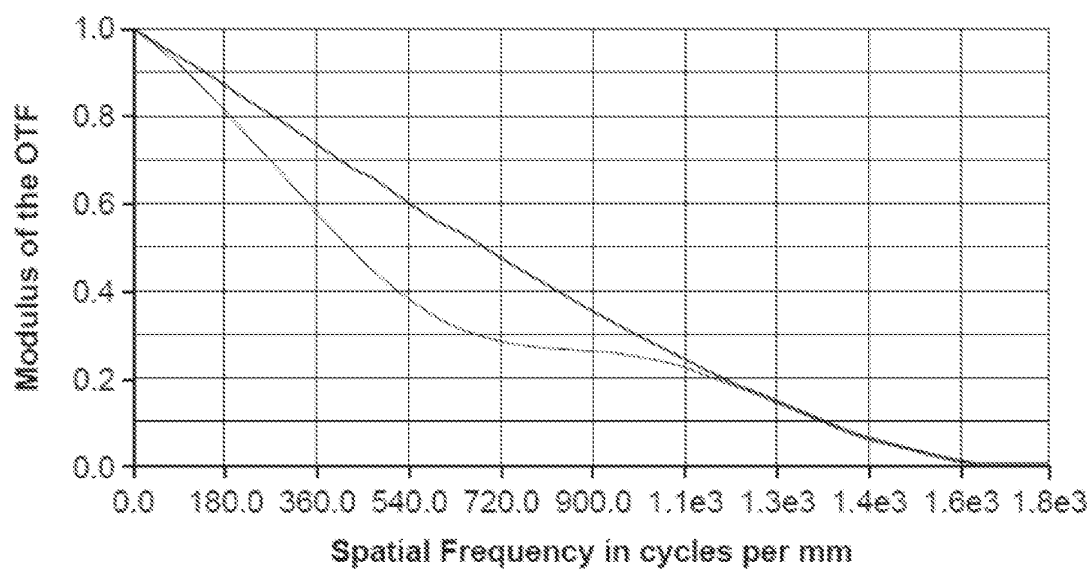


FIG. 14A

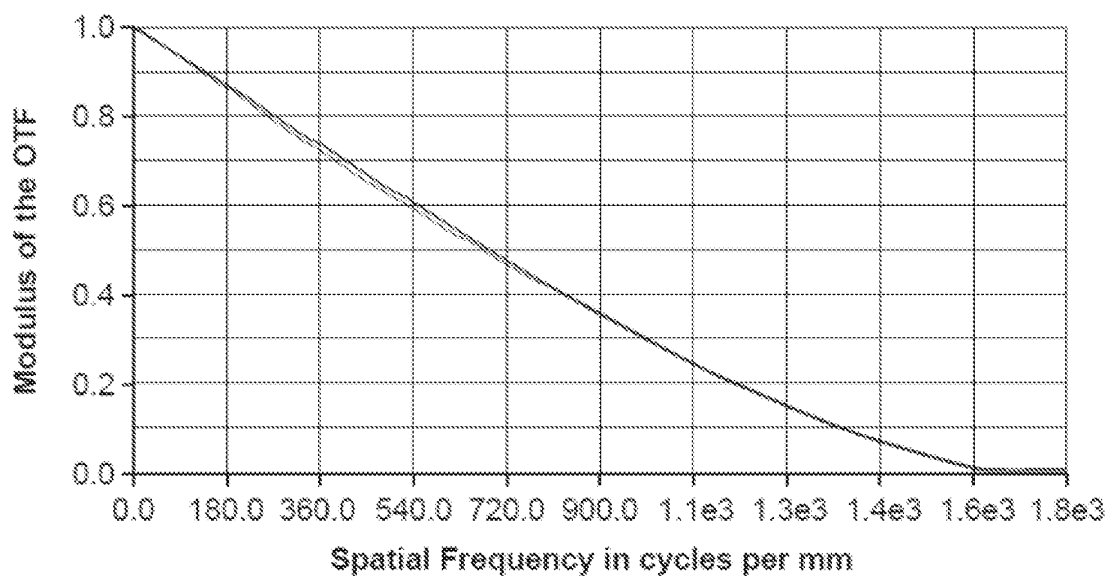


FIG. 14B

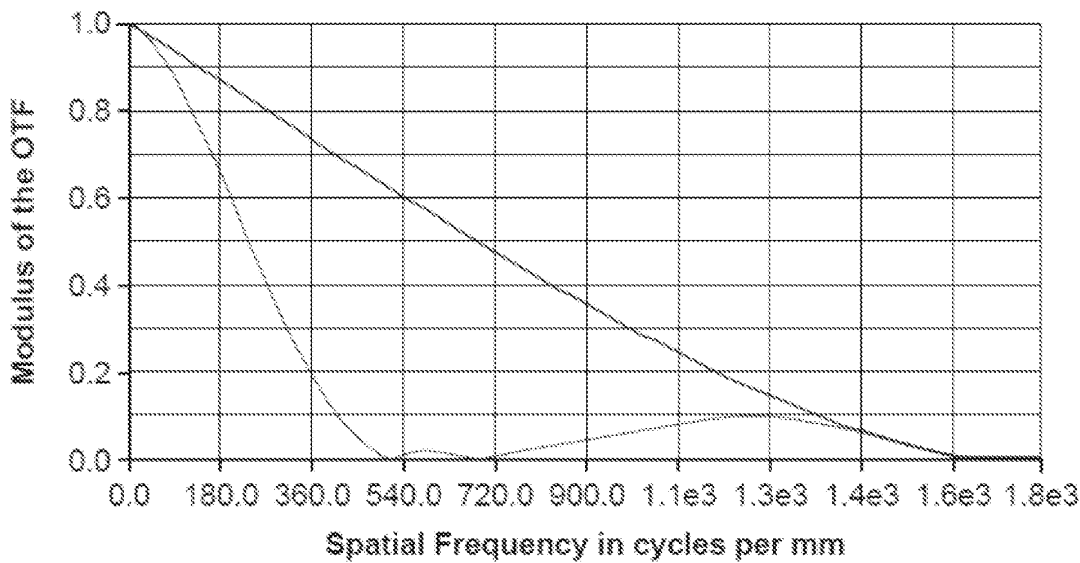


FIG. 15A

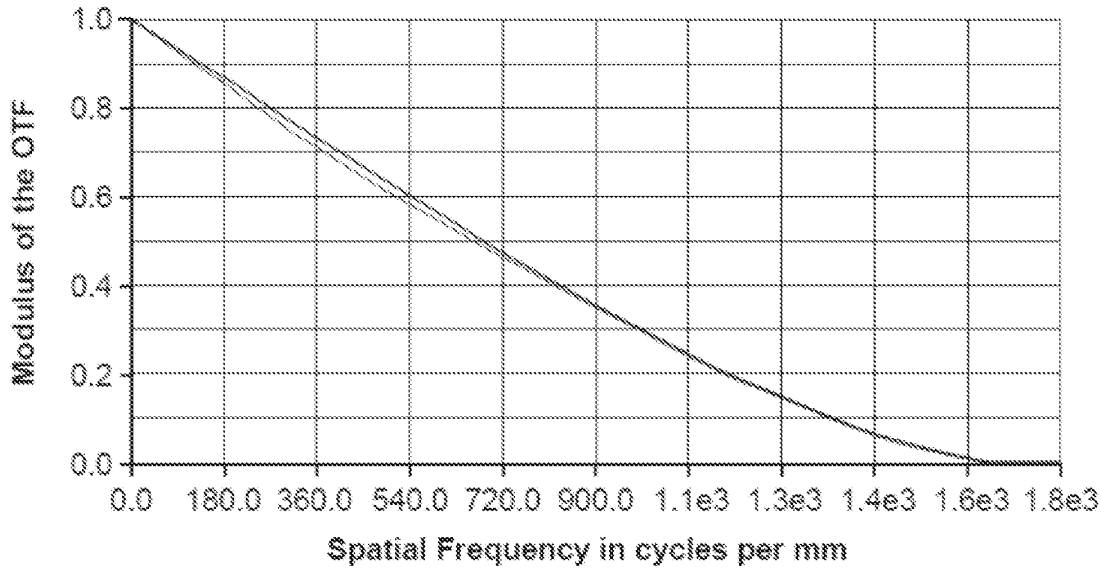


FIG. 15B

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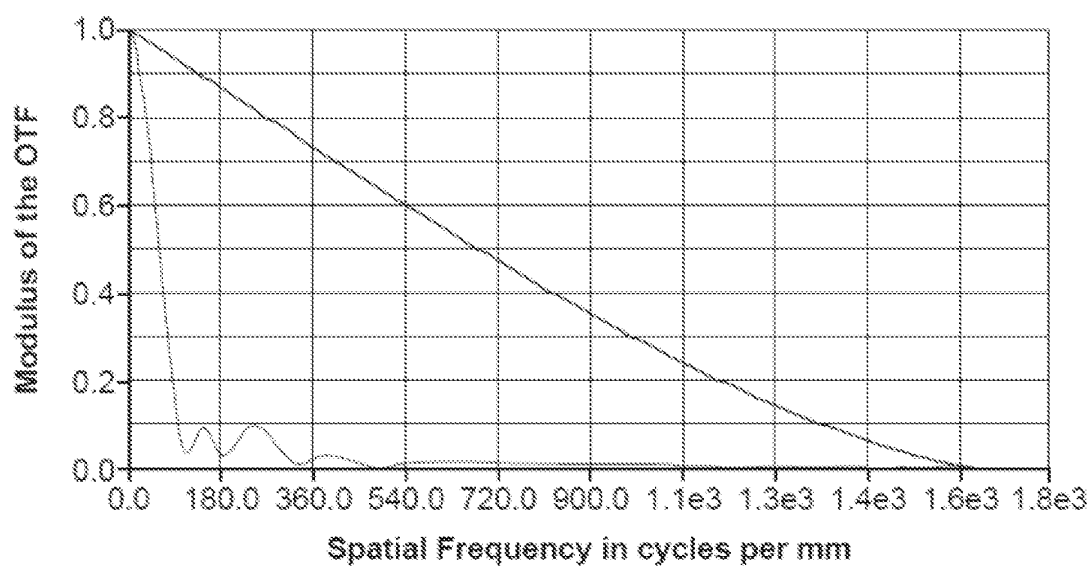


FIG. 16A

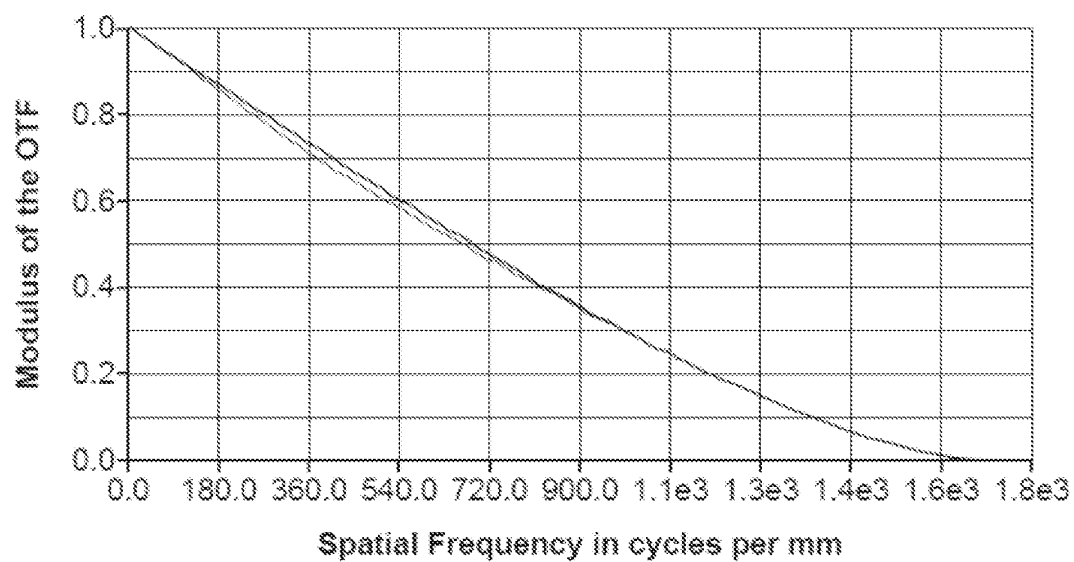


FIG. 16B

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Strehl ratio change with thickness, field=0mm, EFL\_objective=20mm, Mag=5

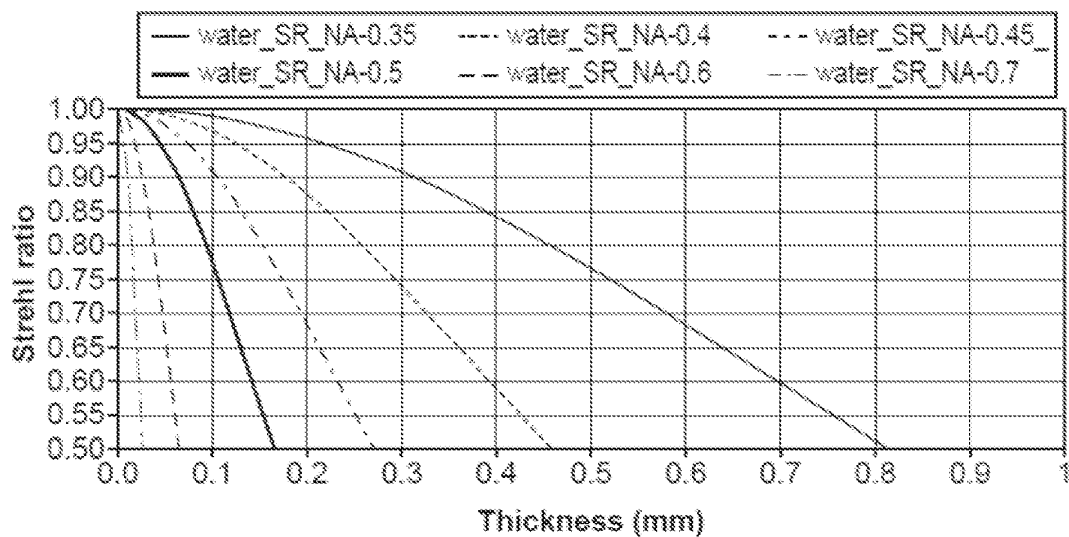


FIG. 17A

Strehl ratio versus NA for 0.1mm water thickness

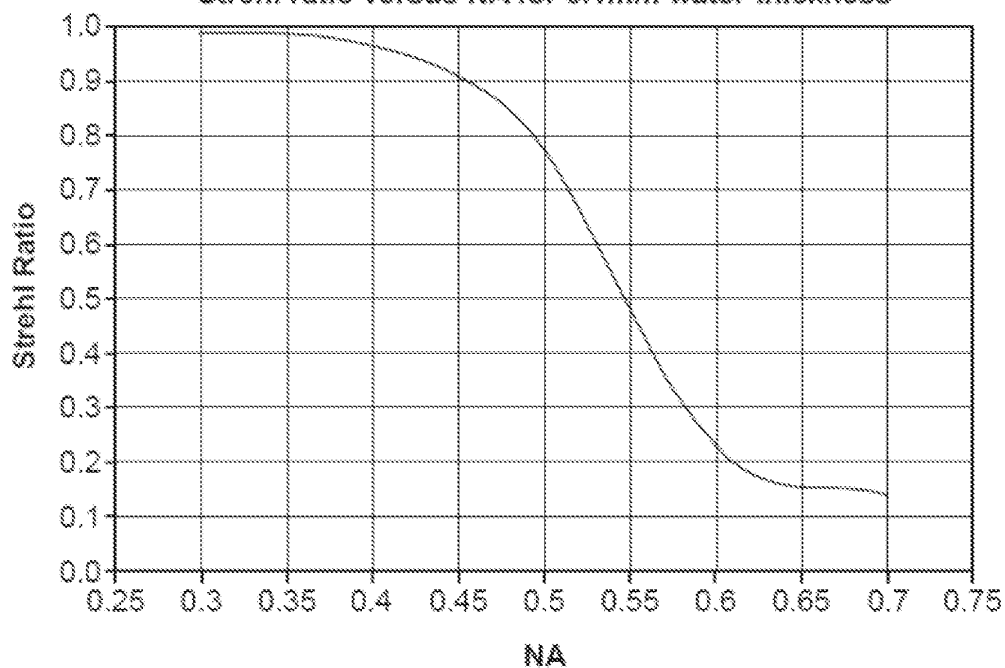


FIG. 17B

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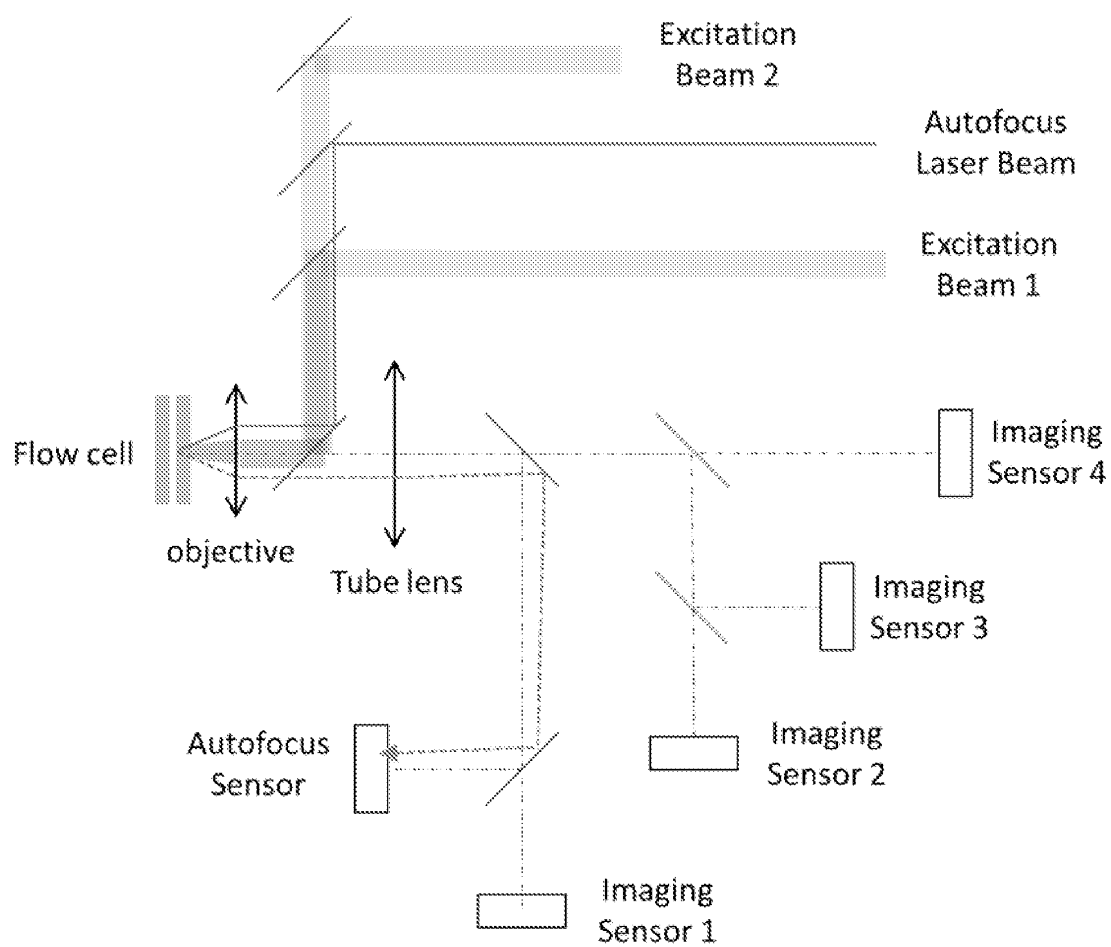


FIG. 18

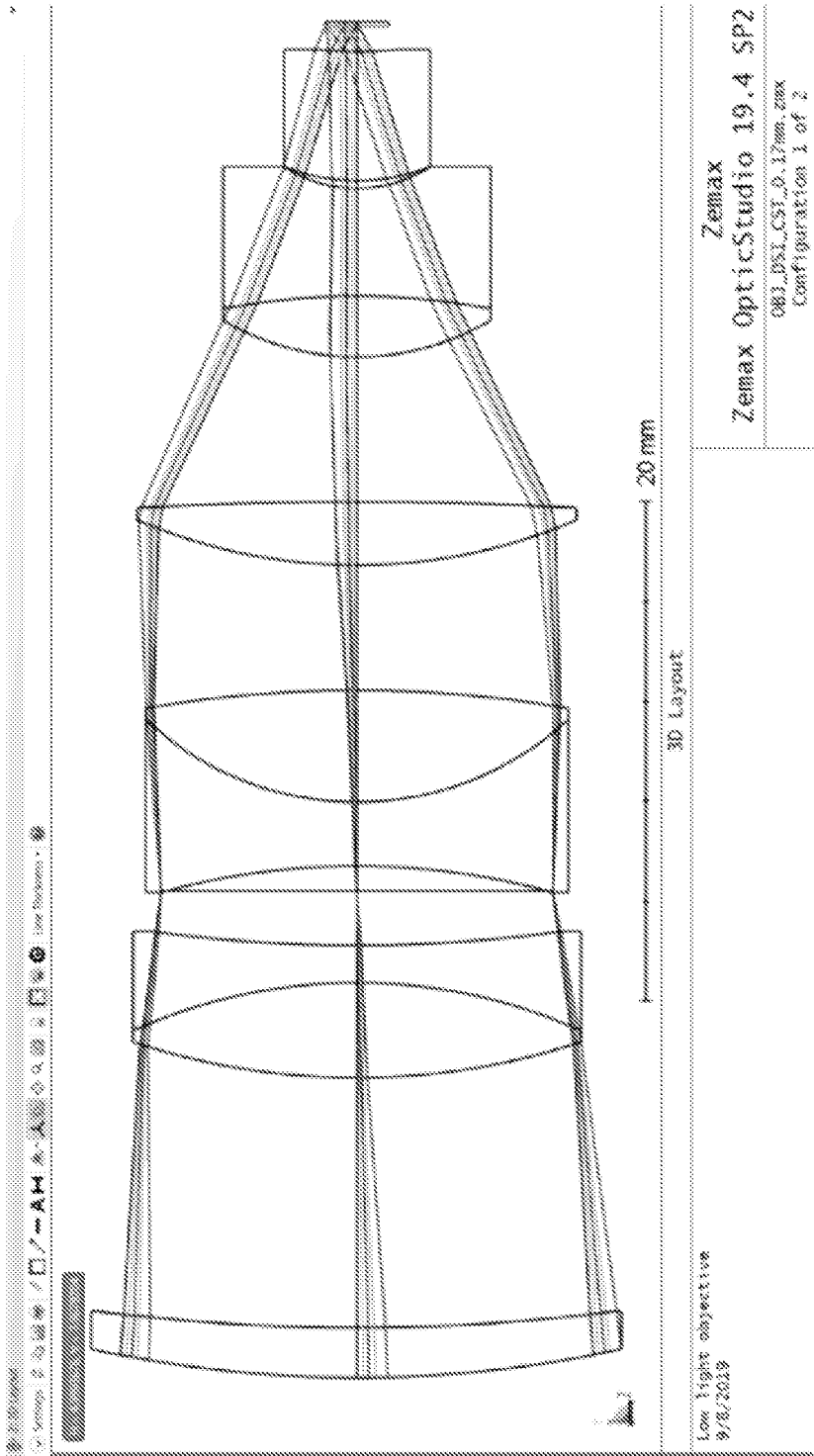
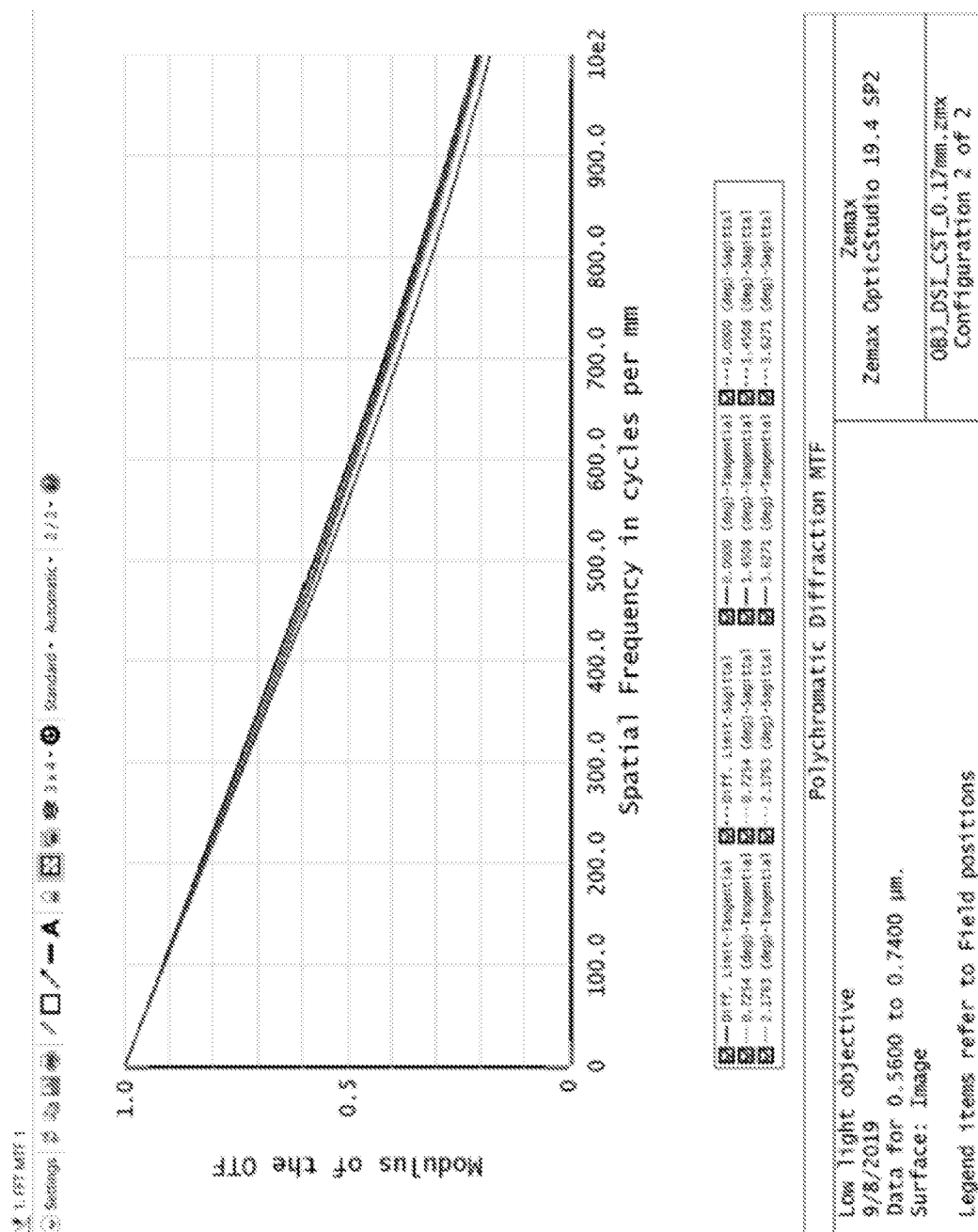


FIG. 19



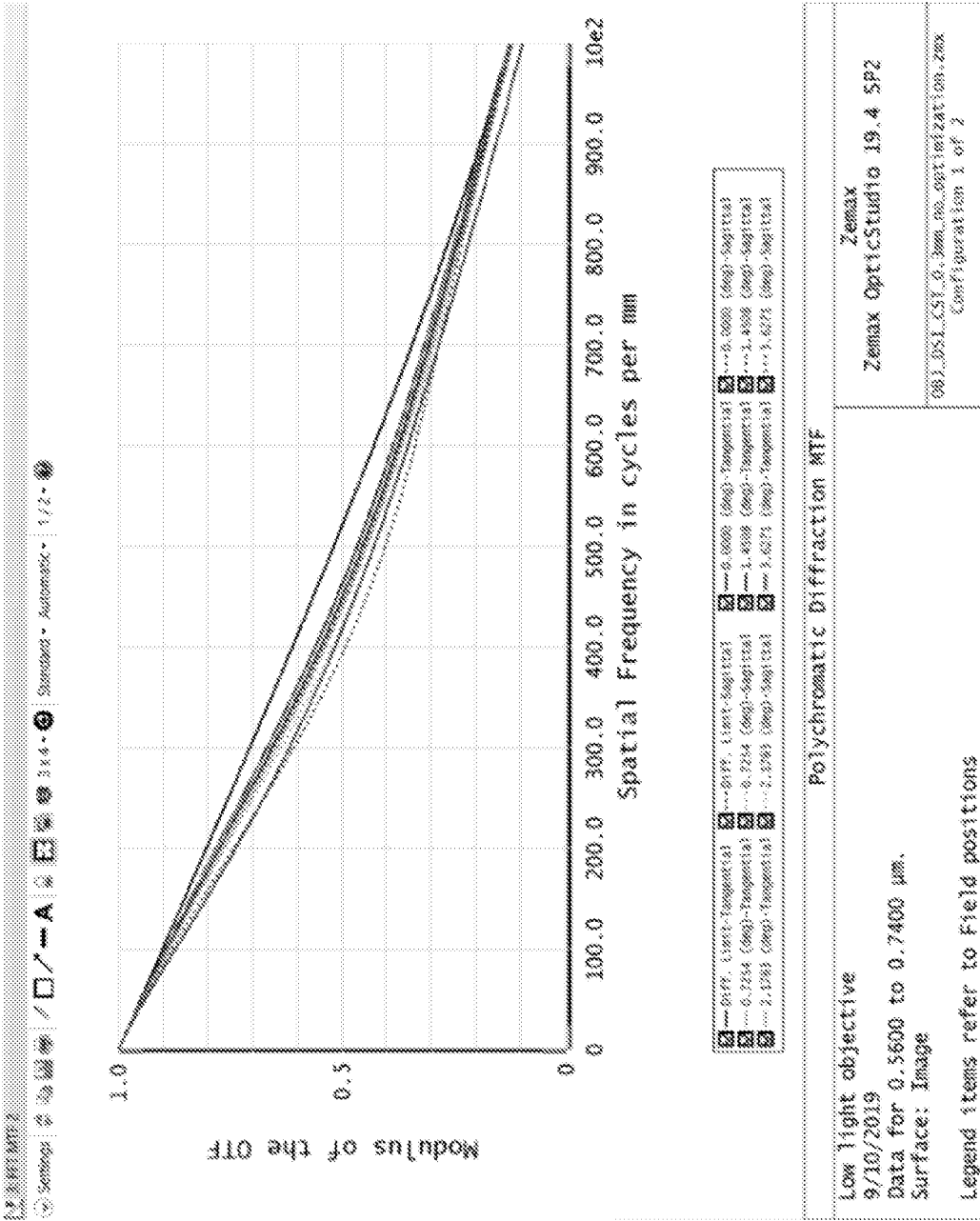


FIG. 21

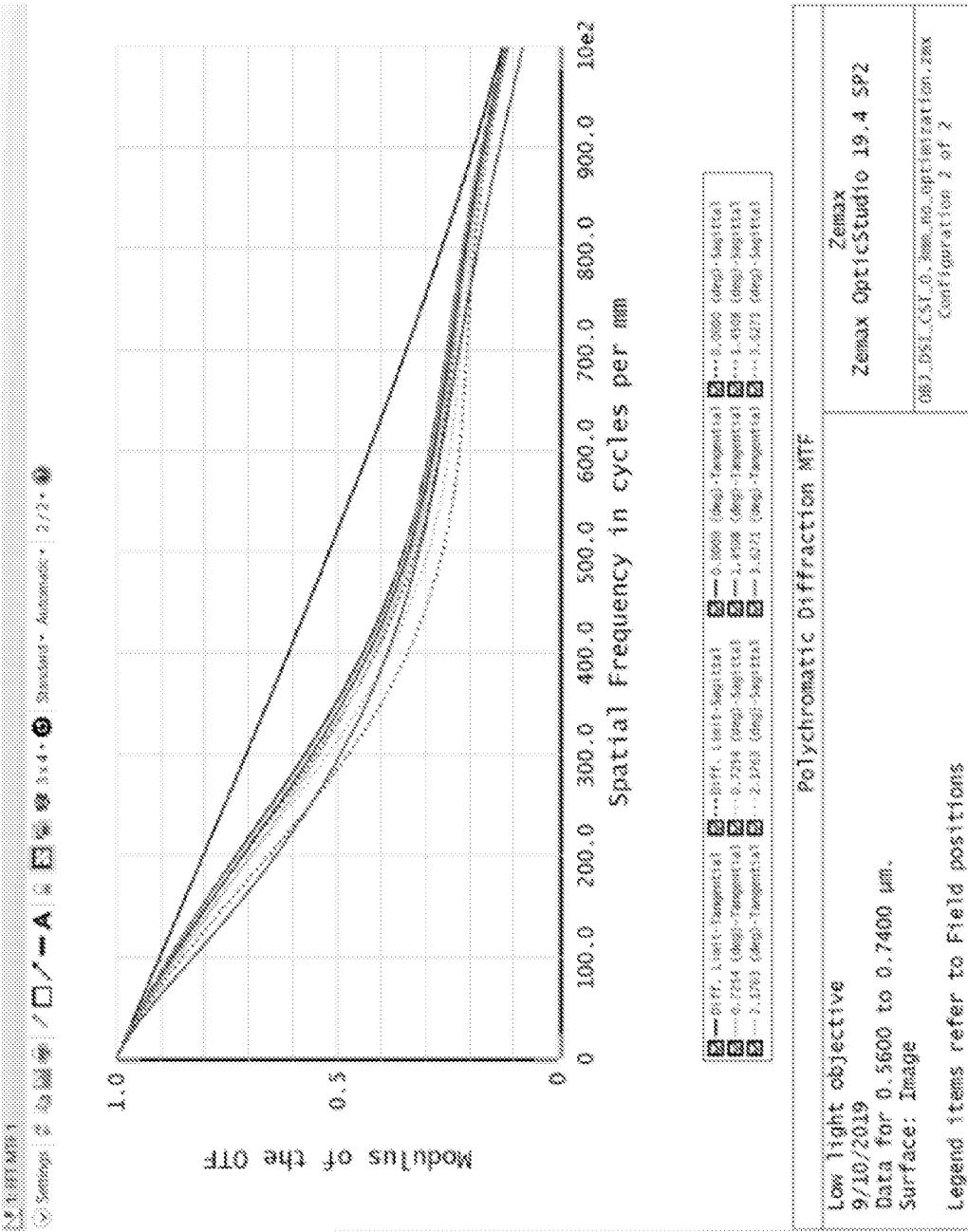


FIG. 22

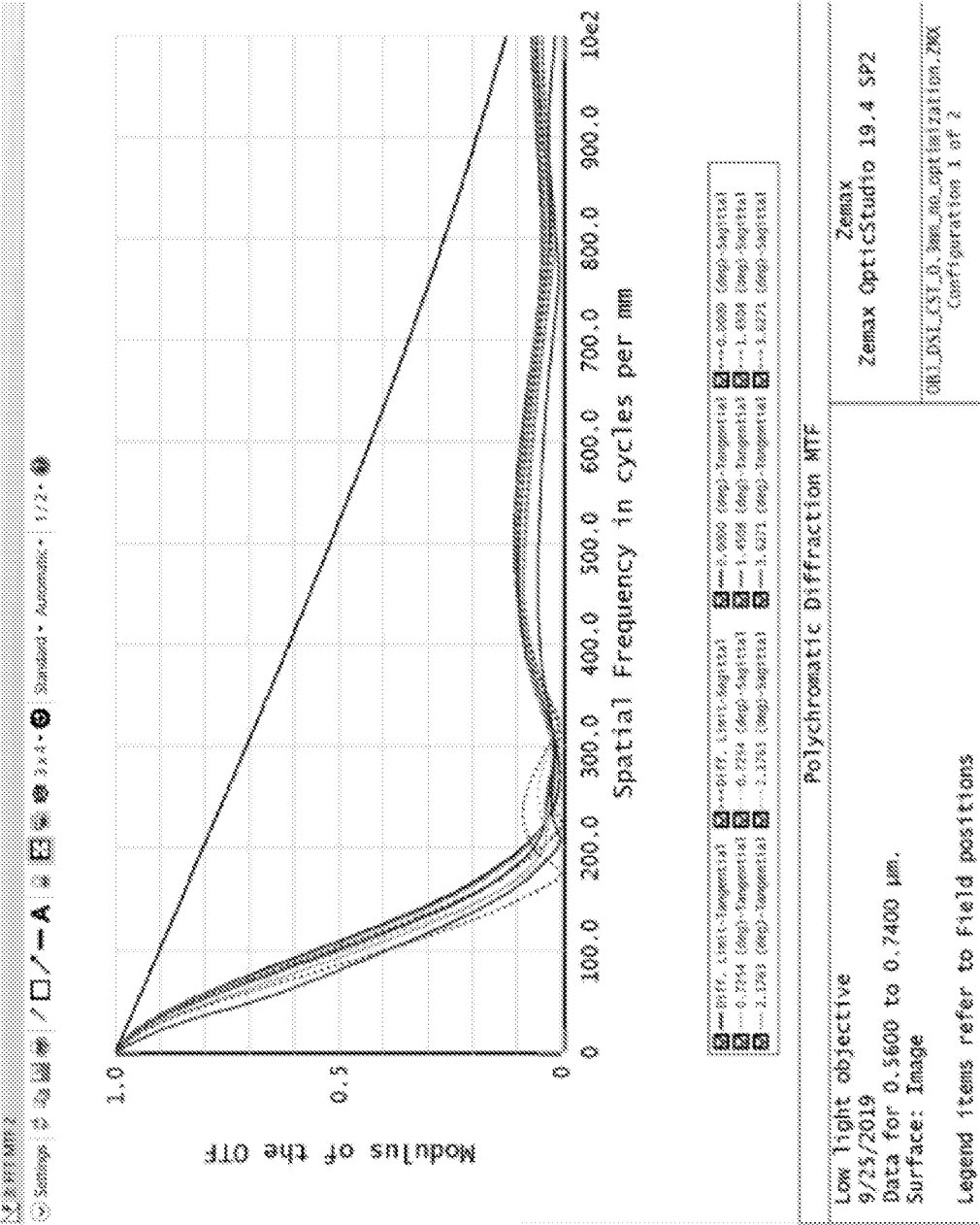
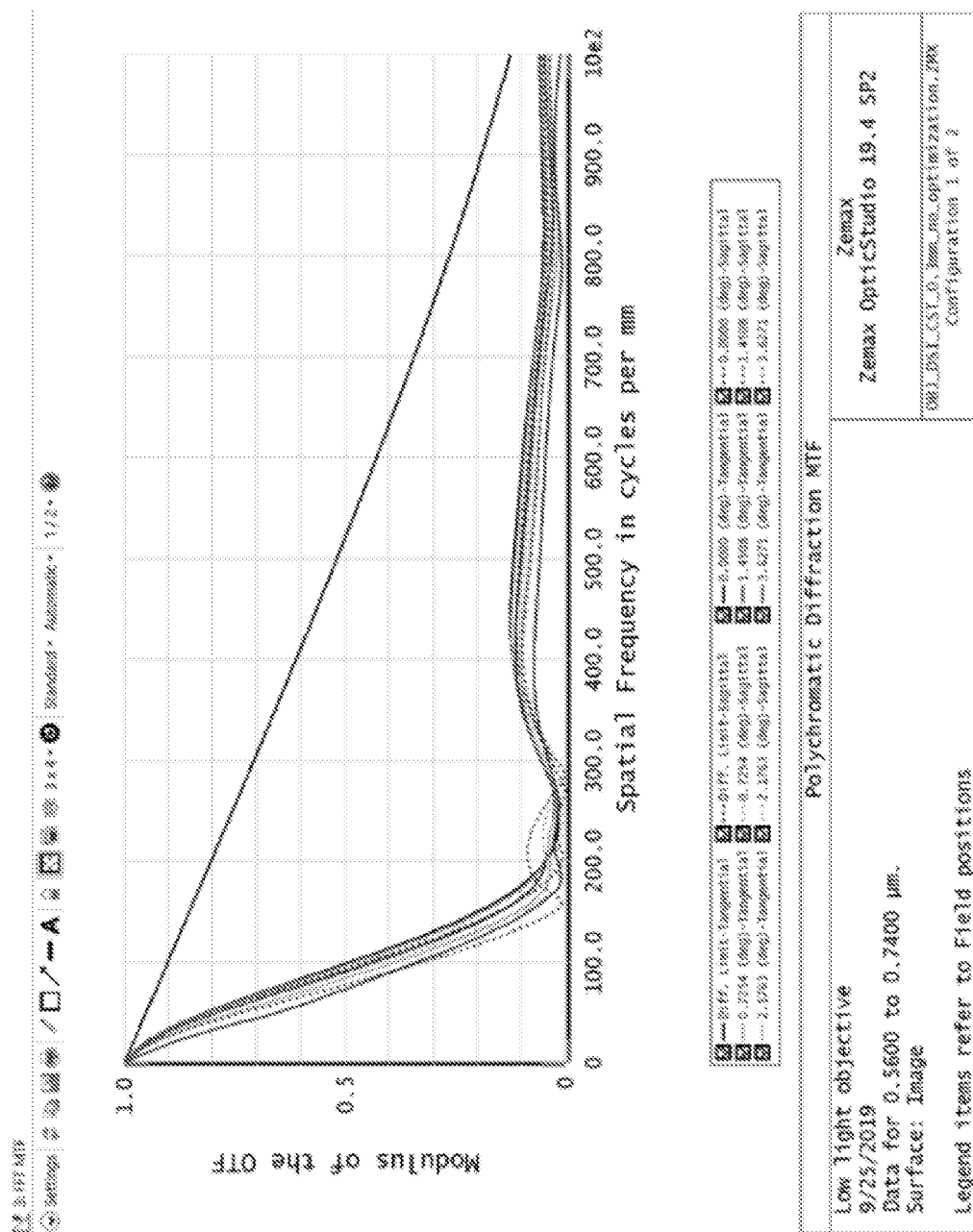


FIG. 23



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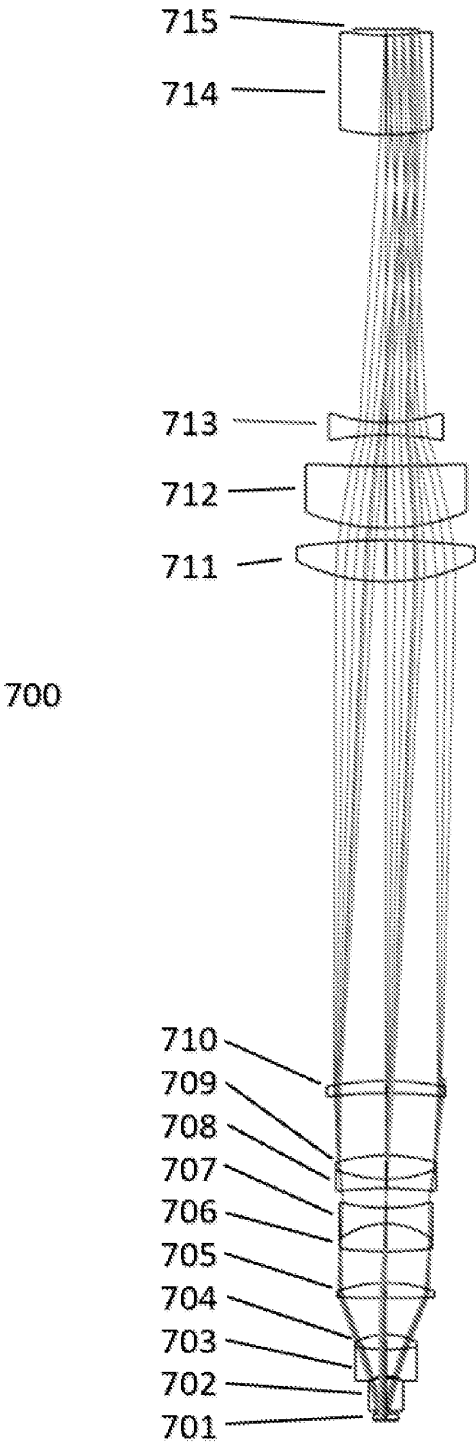
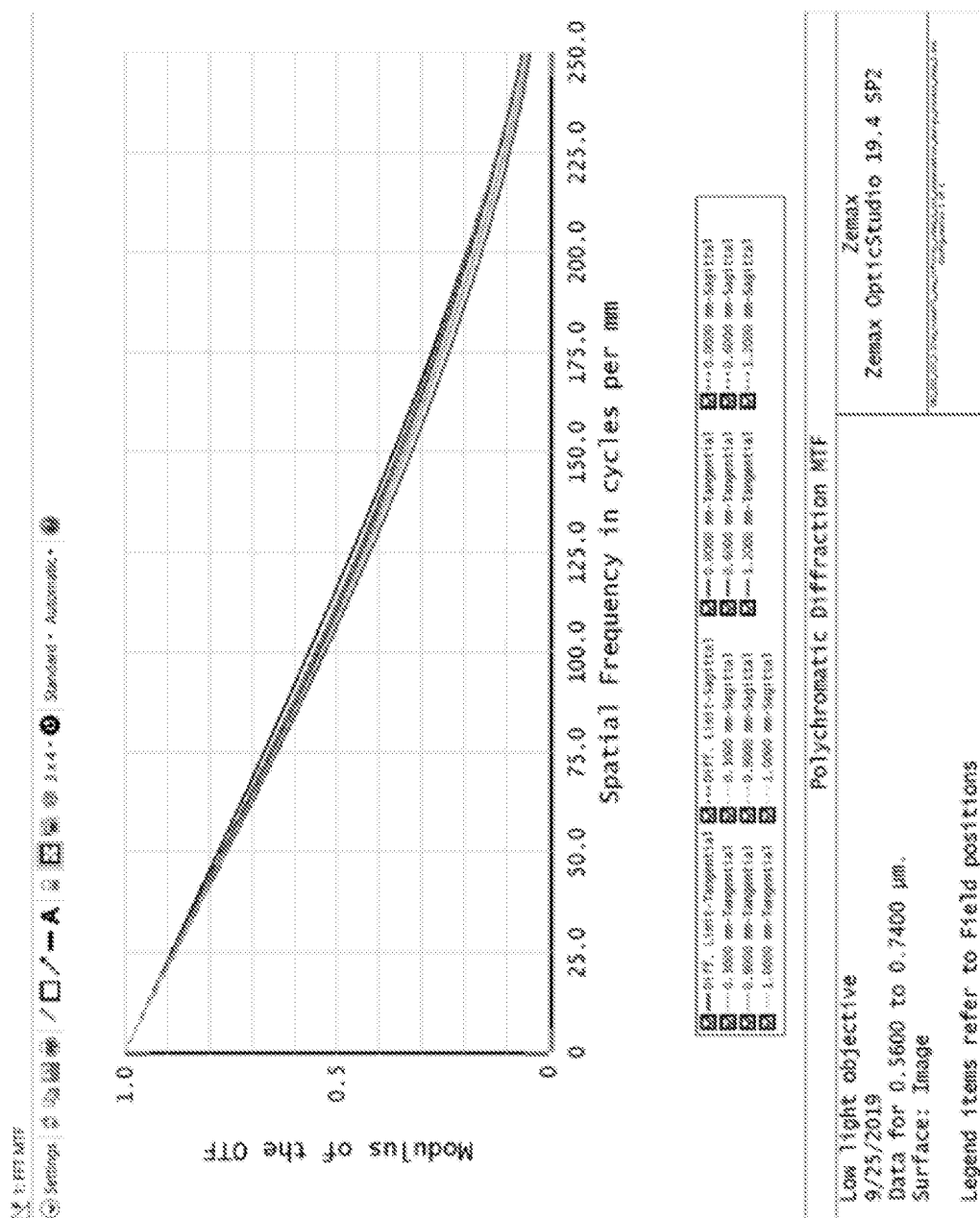
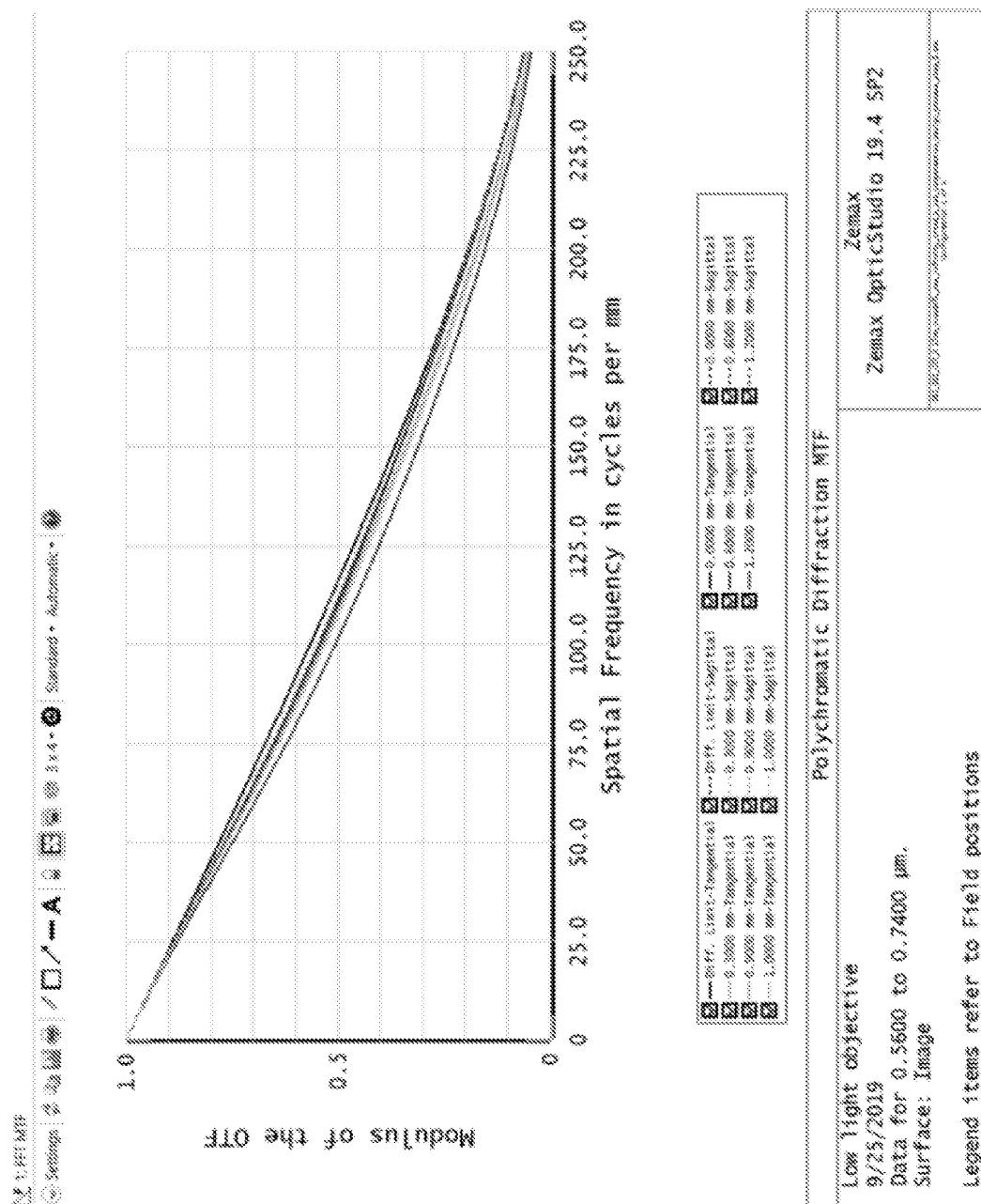


FIG. 25



26.6



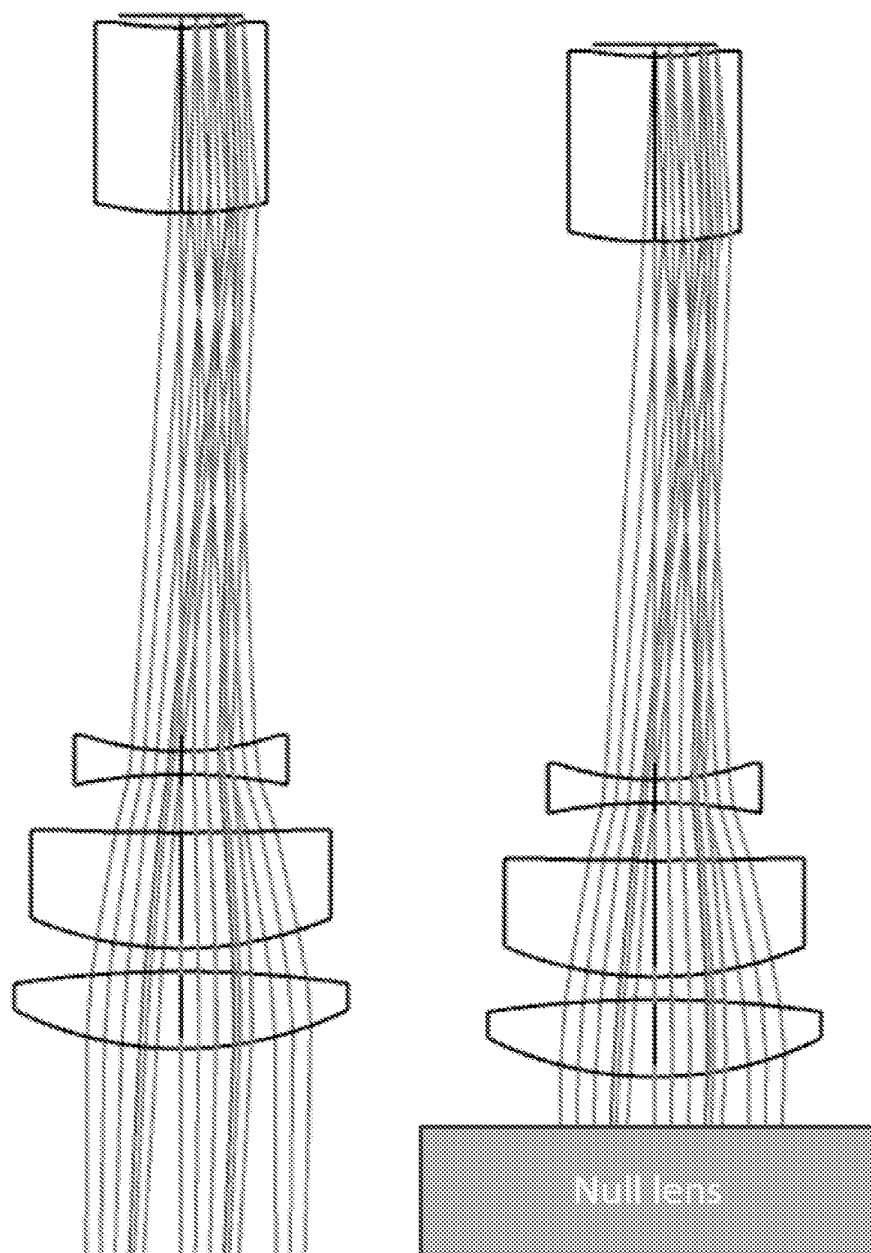
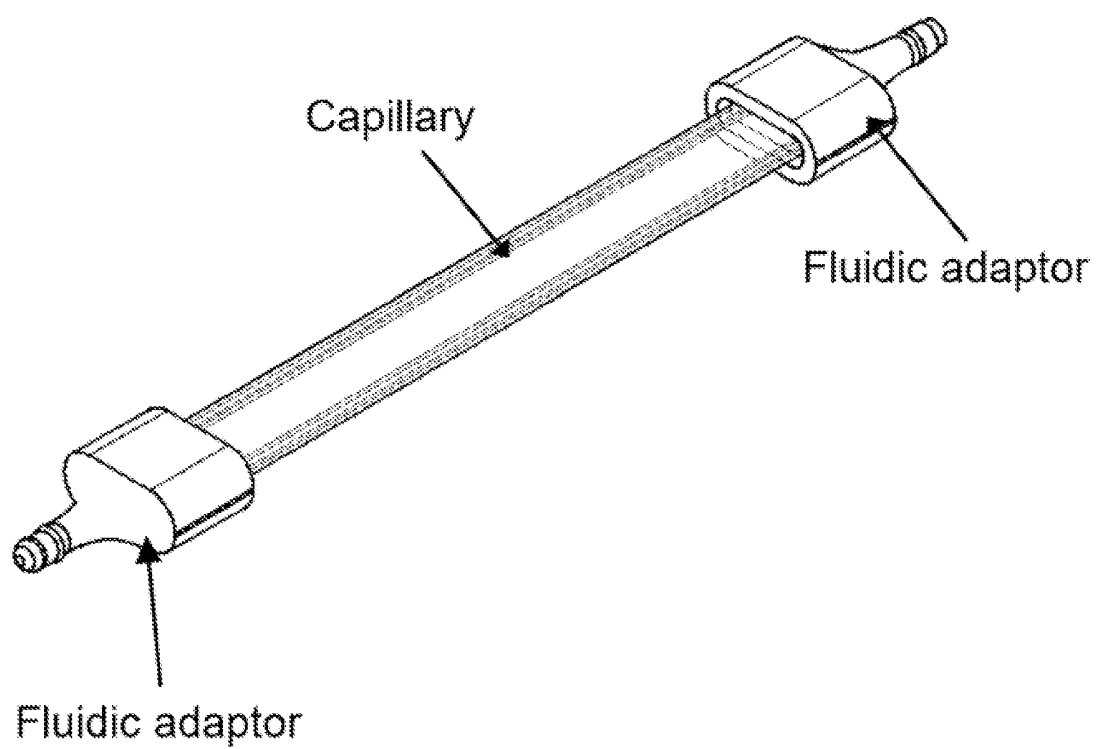


FIG. 28

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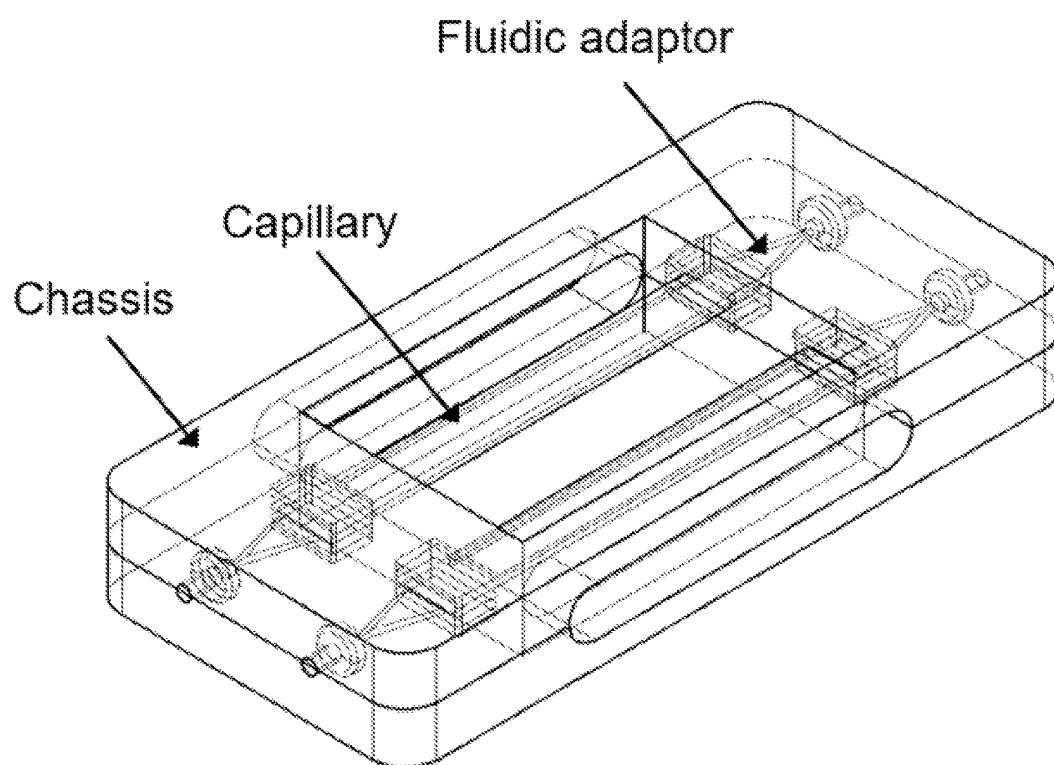


FIG. 30

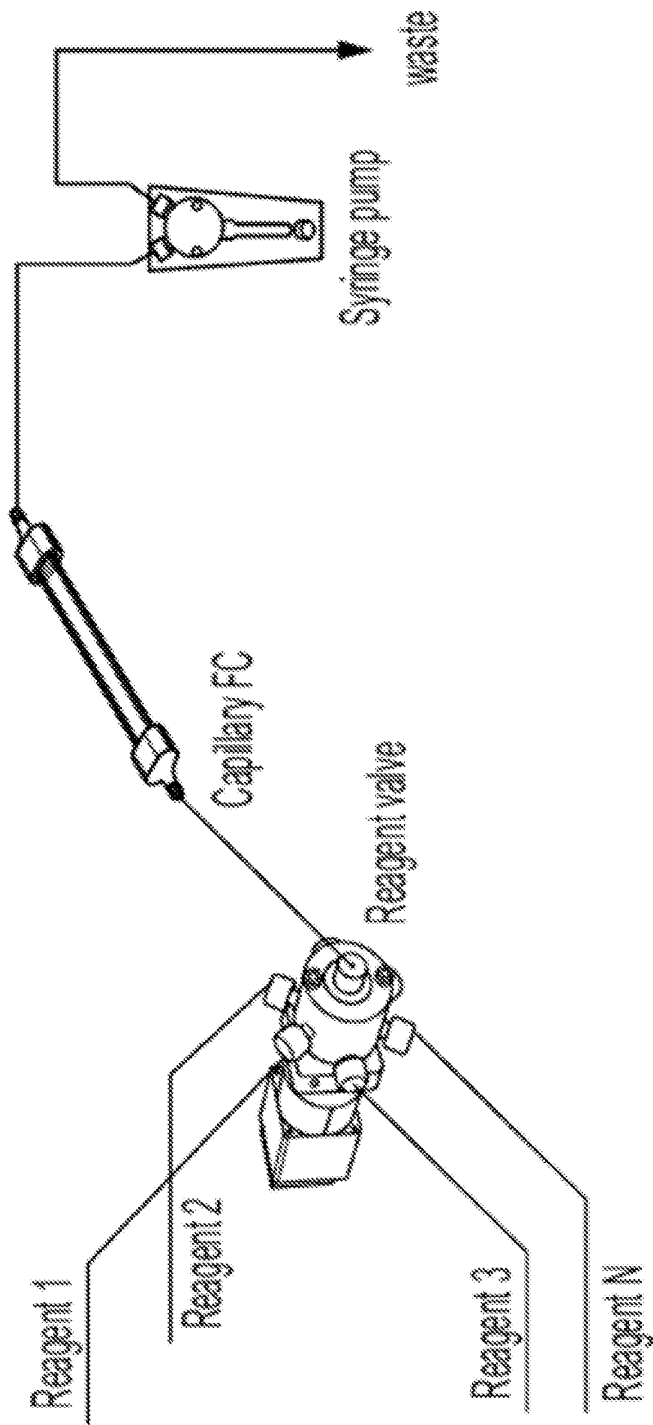


FIG. 31

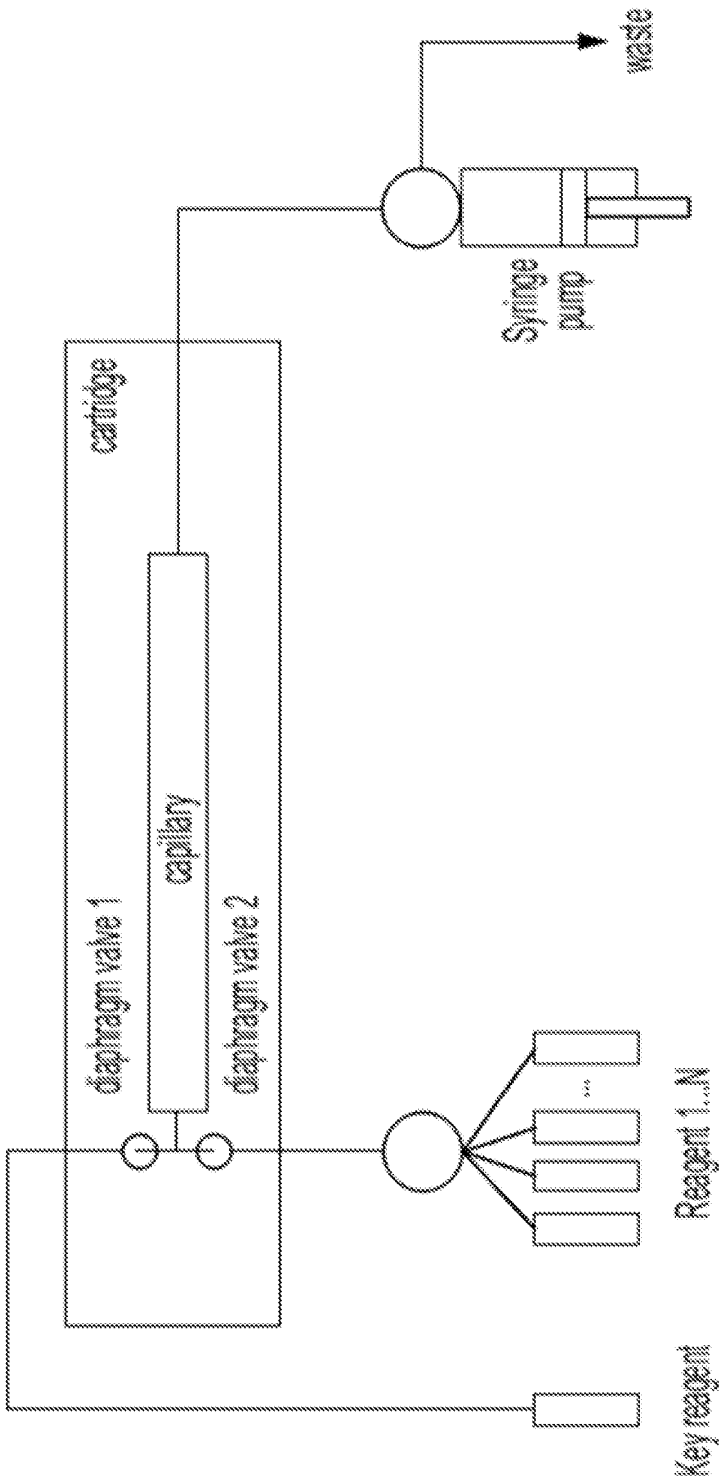


FIG. 32

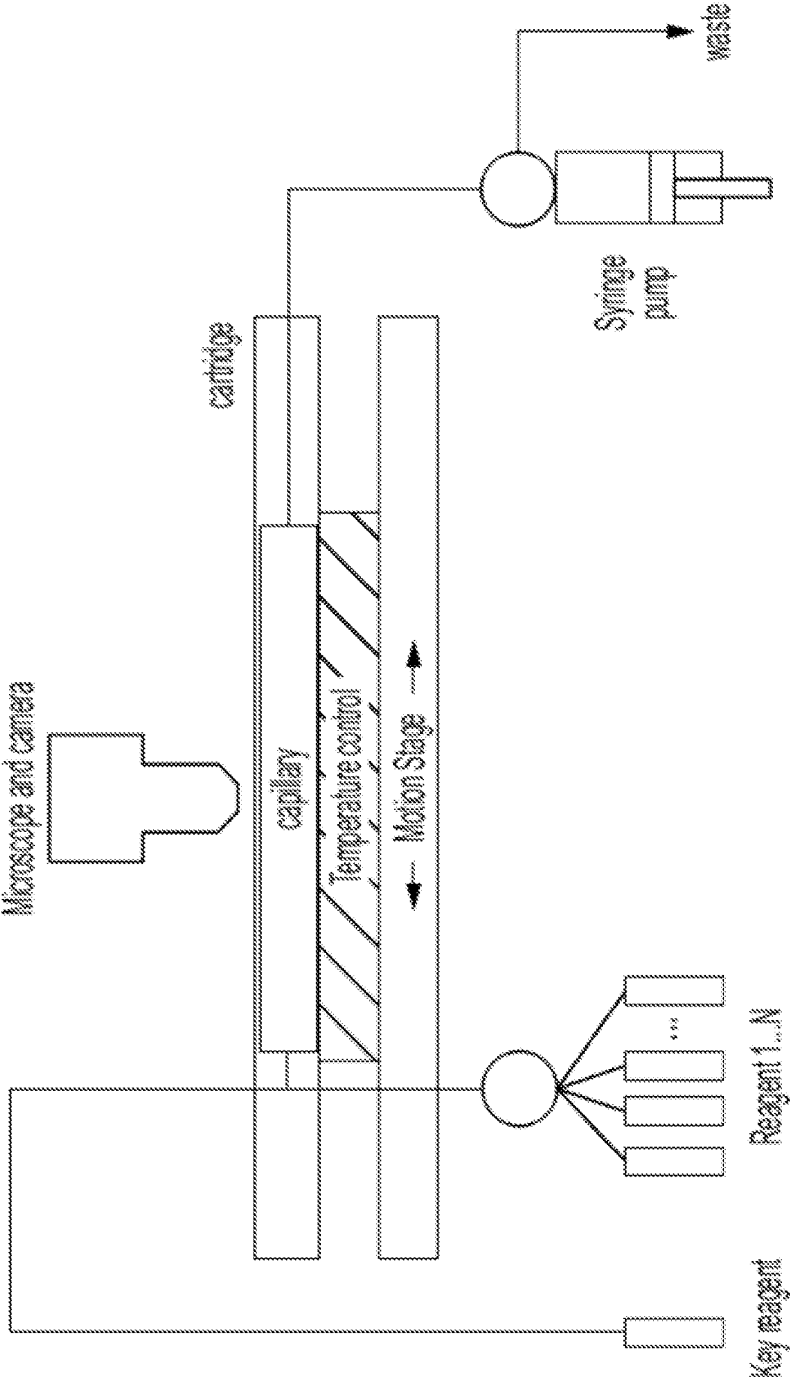


FIG. 33

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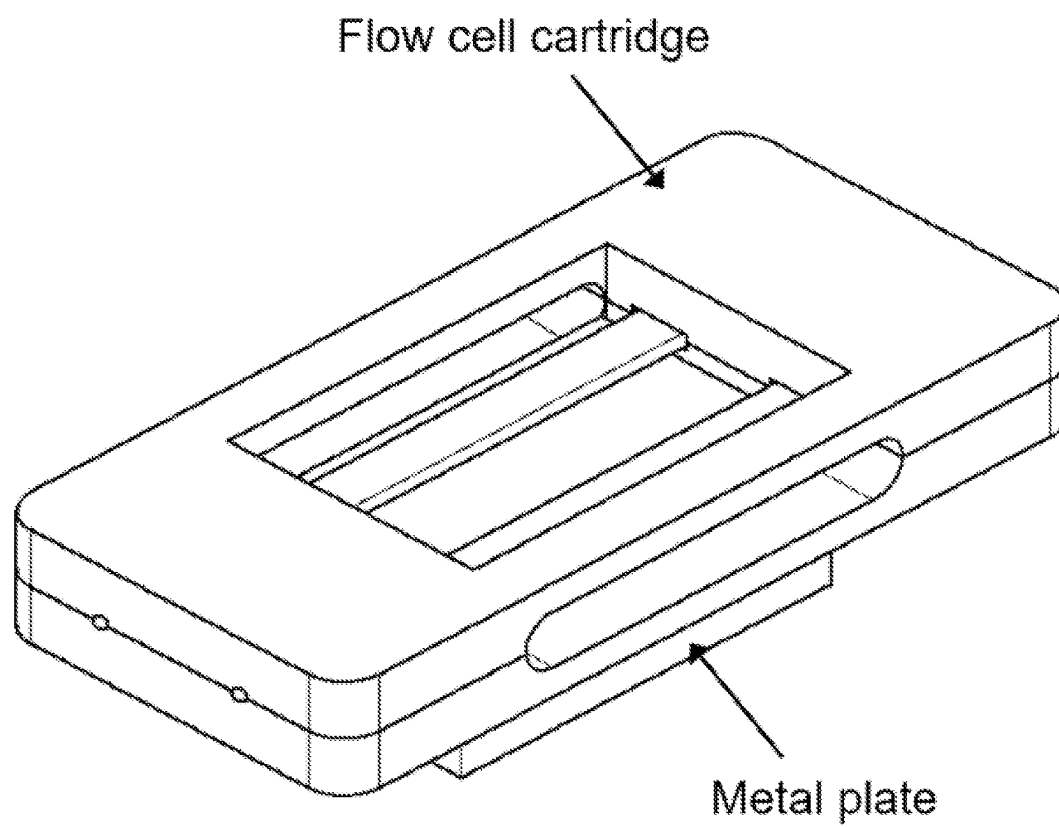


FIG. 34

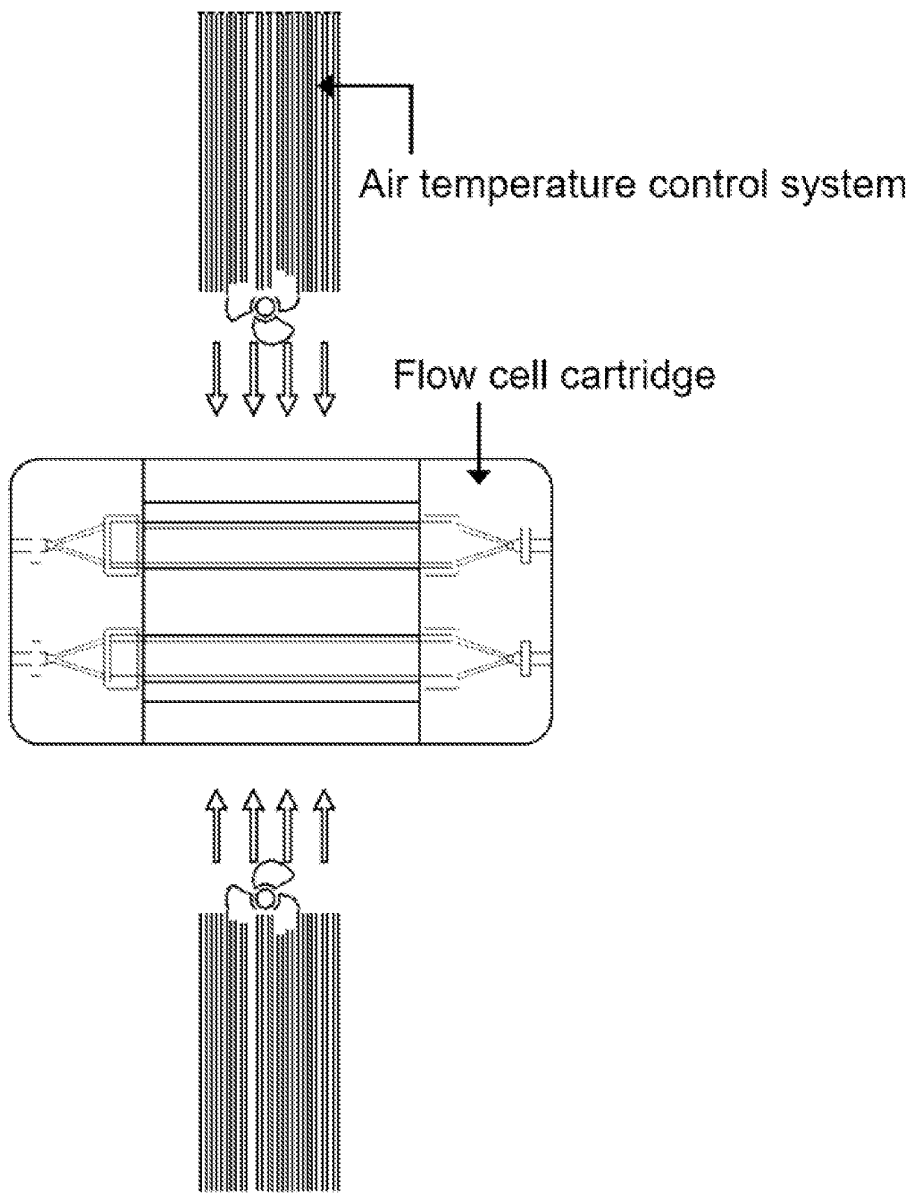
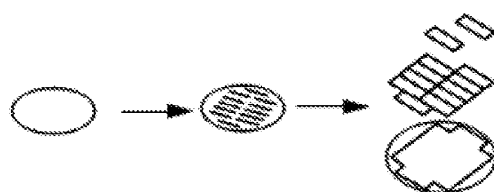


FIG. 35

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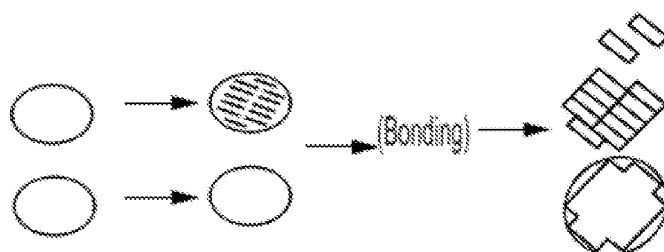
1 Piece



- 1 Layer
- 12 Slide's per 8 inch (210 mm) Wafer

FIG. 36A

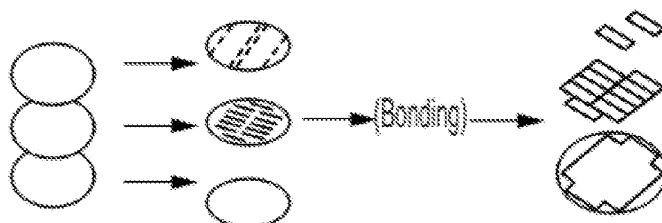
2 Piece



- 2 Layer's
- 12 Slide's per 8 inch (210 mm) Wafer

FIG. 36B

3 Piece



- 3 Layer's
- 12 Slide's per 8 inch (210 mm) Wafer

FIG. 36C

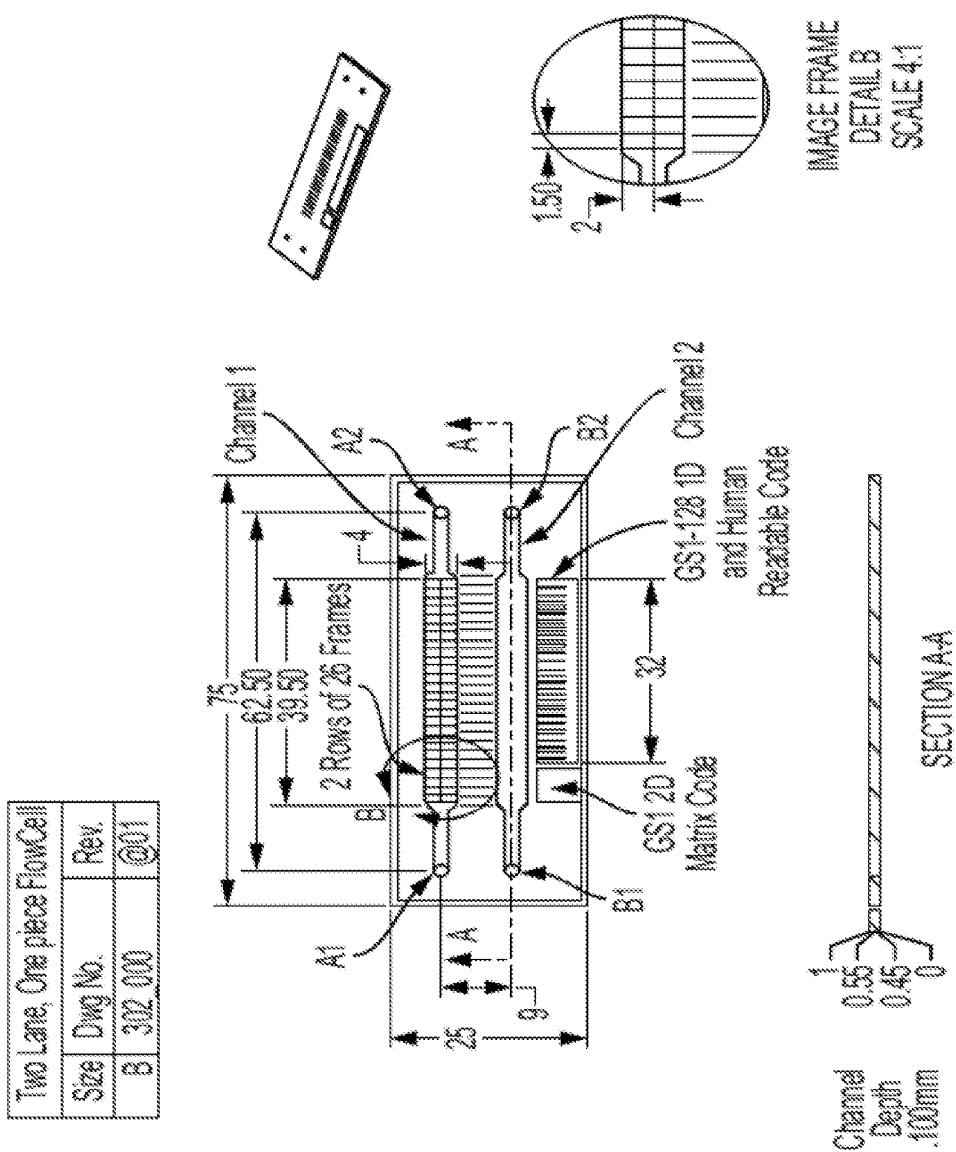


FIG. 37A

|                              |         |      |
|------------------------------|---------|------|
| Two Lane, Two piece FlowCell |         |      |
| Size                         | Dwg No. | Rev. |
| B                            | 303_000 | @01  |

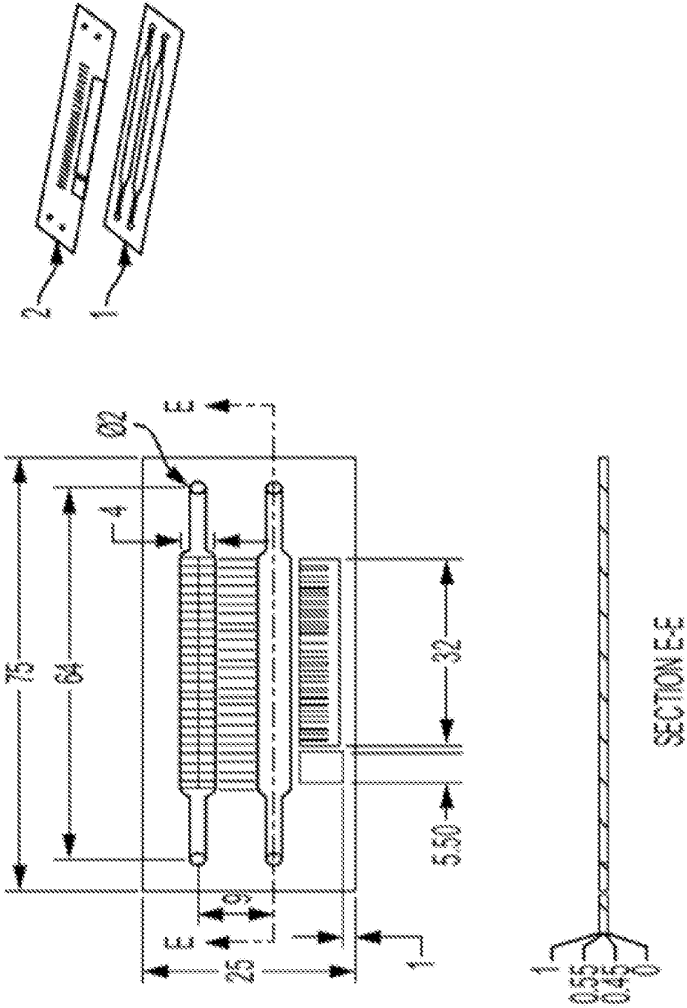
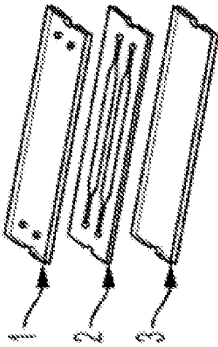
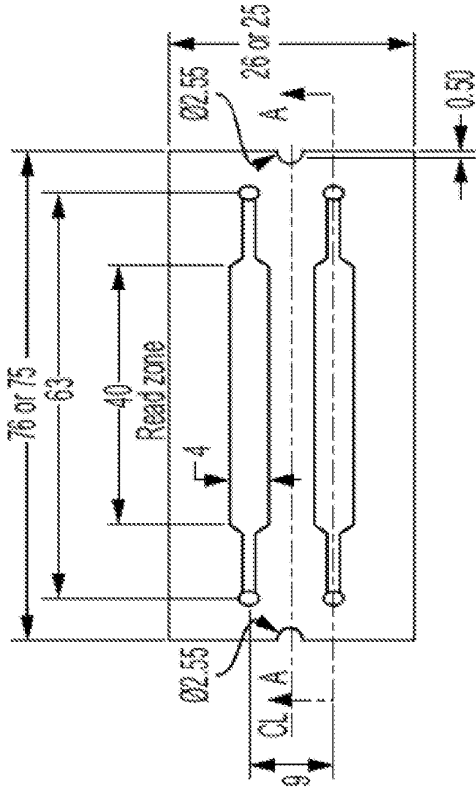
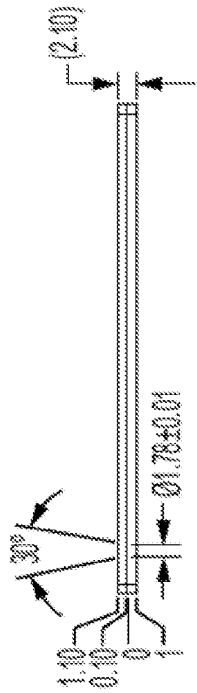


FIG. 37B

|                                |         |      |
|--------------------------------|---------|------|
| Two Lane, Three piece FlowCell |         |      |
| Size                           | Dwg No. | Rev. |
| B                              | 312_000 | @01  |



| BOM Table |          |                                     |      |
|-----------|----------|-------------------------------------|------|
| Item No.  | Number   | DESCRIPTION                         | QTY. |
| 1         | 311_0001 | Inlet Layer, Eight Lane Flow Cell   | 1    |
| 2         | 311_0002 | Channel Layer, Eight Lane Flow Cell | 1    |
| 3         | 311_0003 | Base Layer, Eight Lane Flow Cell    | 1    |



SECTION A-A

FIG. 37C

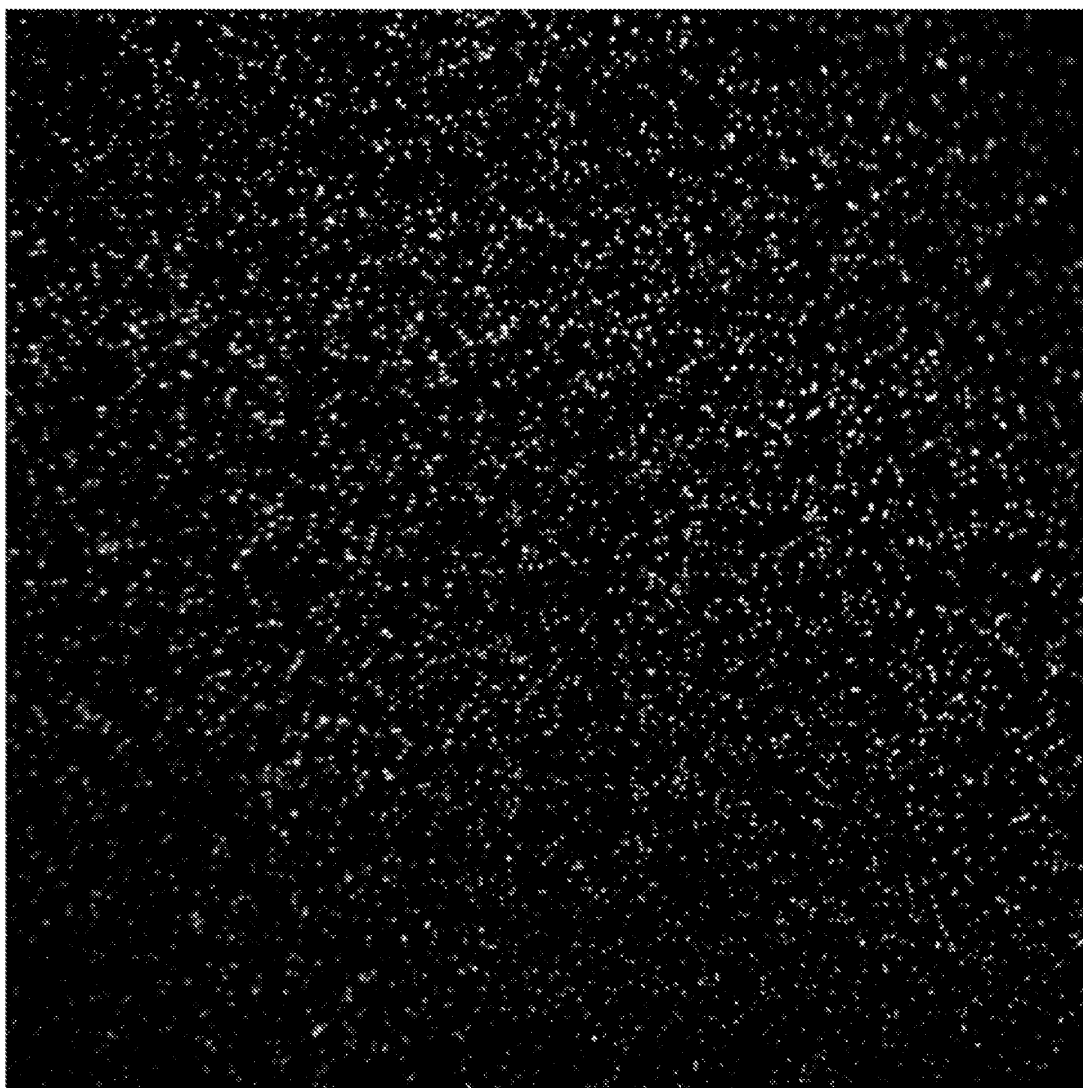


FIG. 38

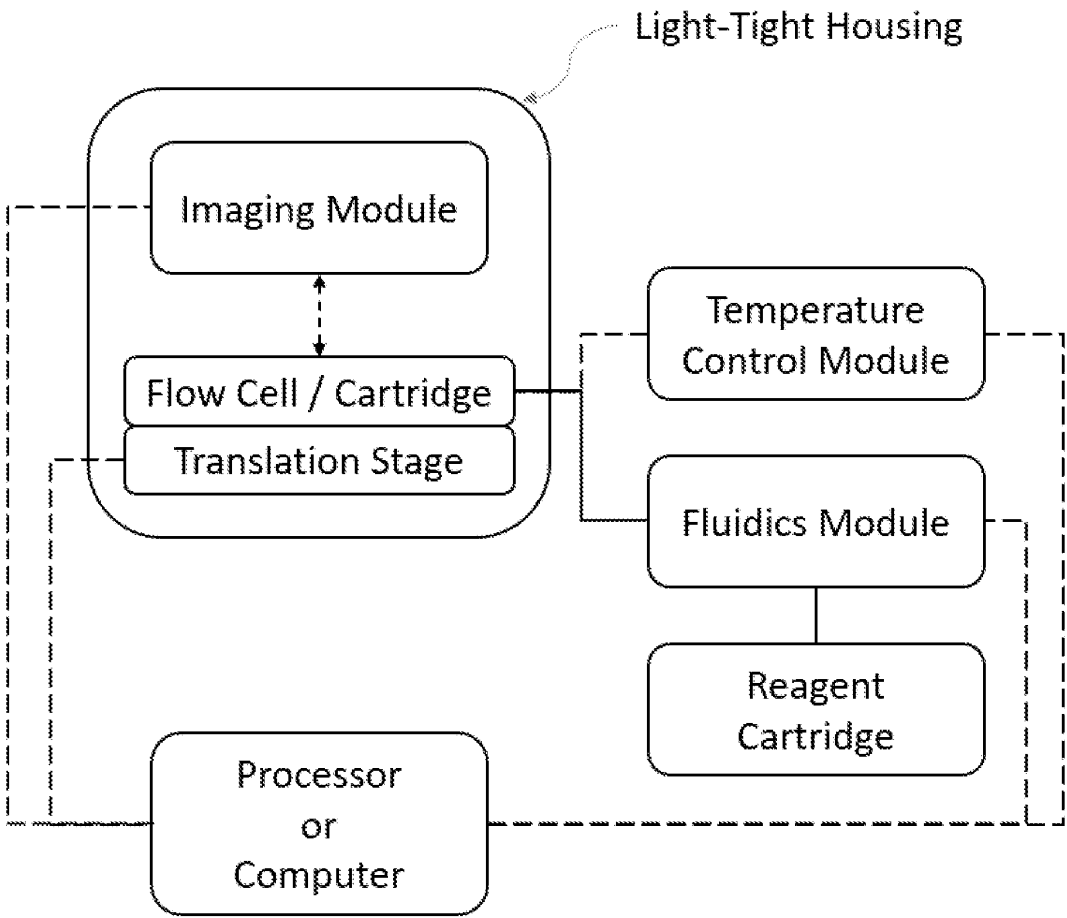


FIG. 39

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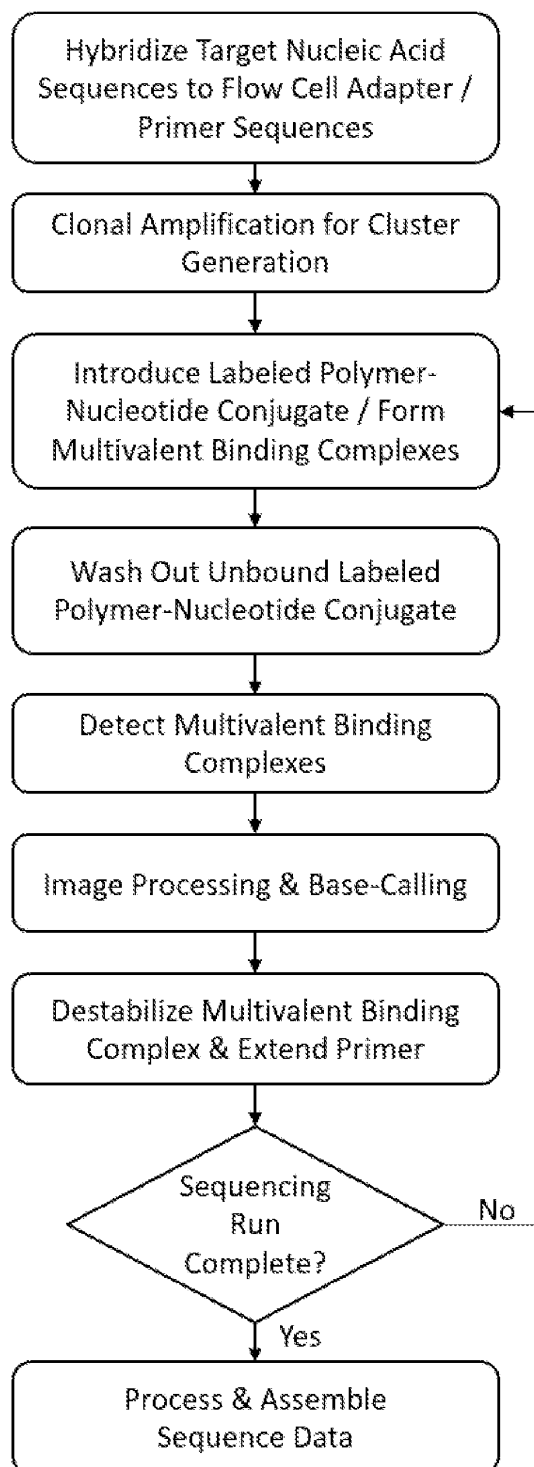


FIG. 40

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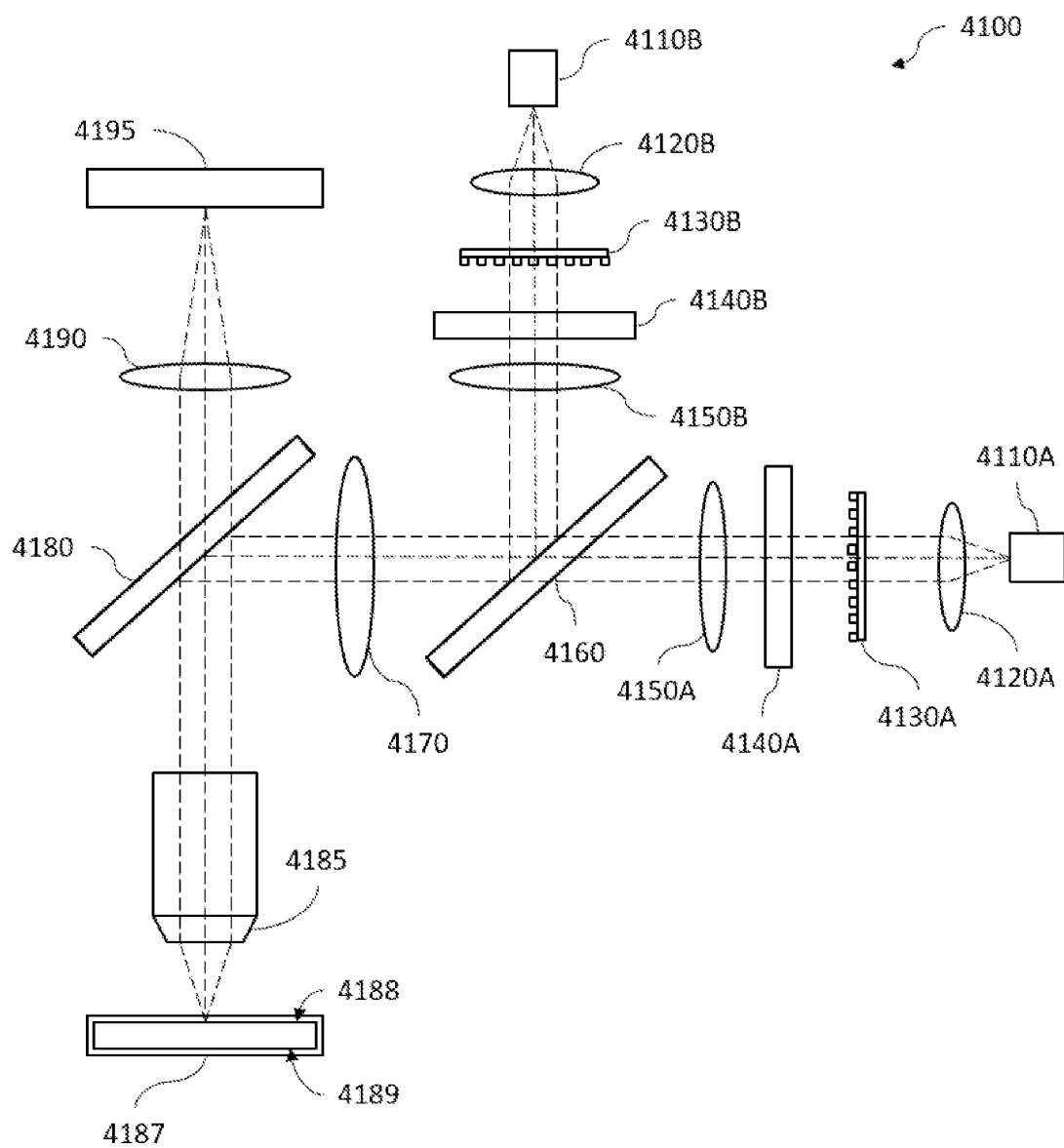


FIG. 41

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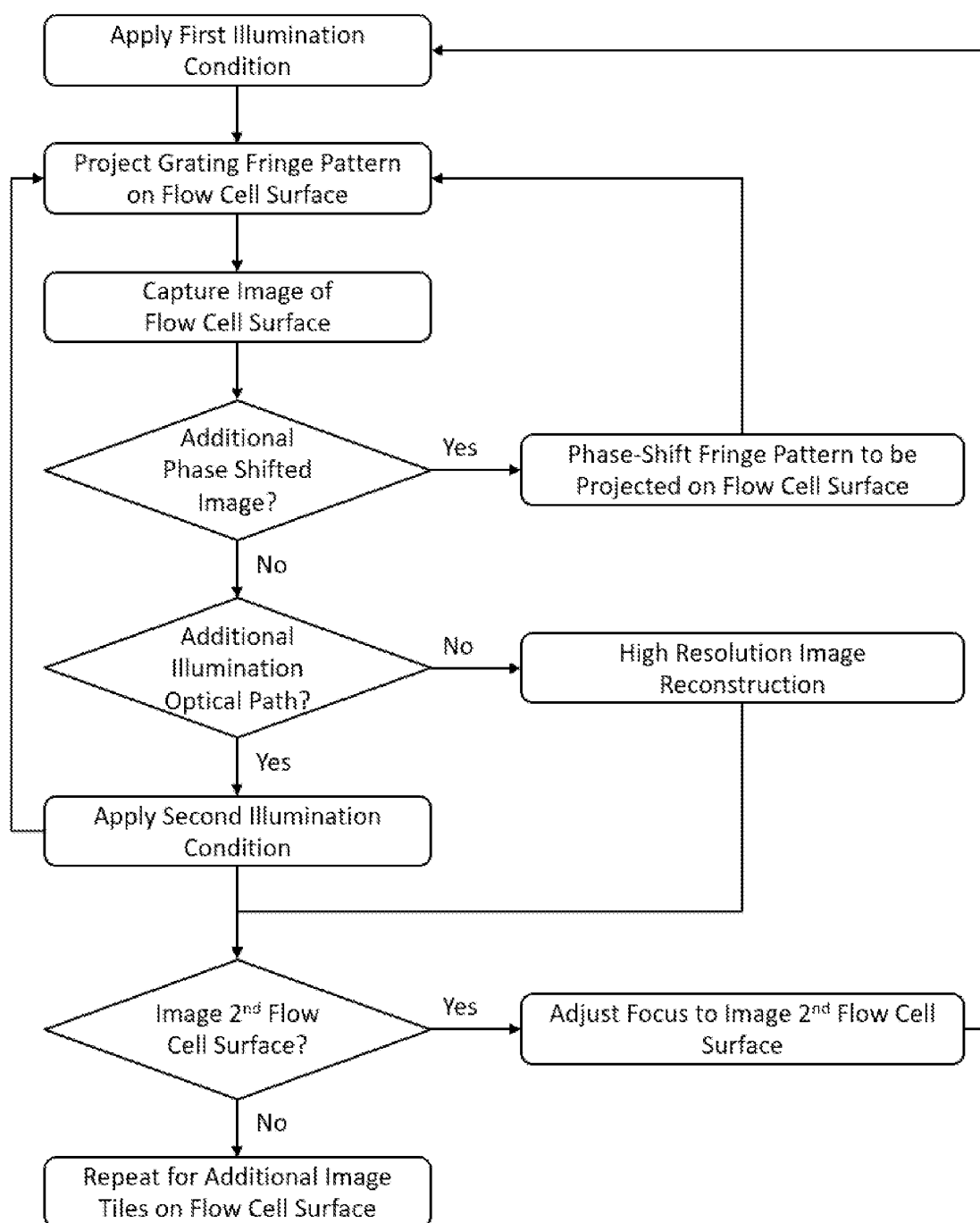


FIG. 42

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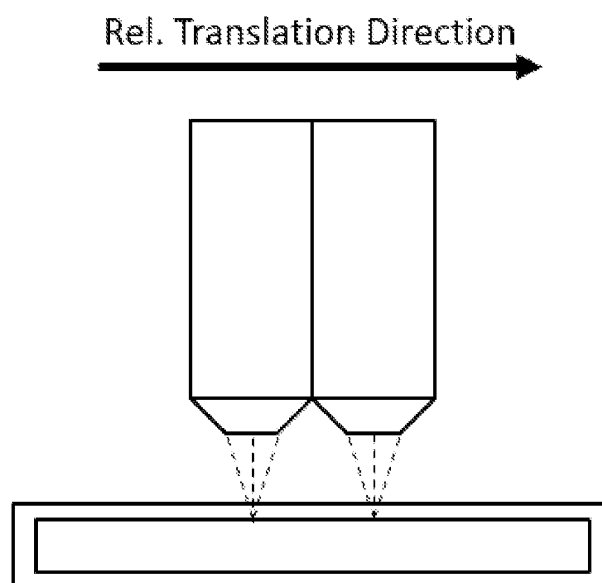


FIG. 43A

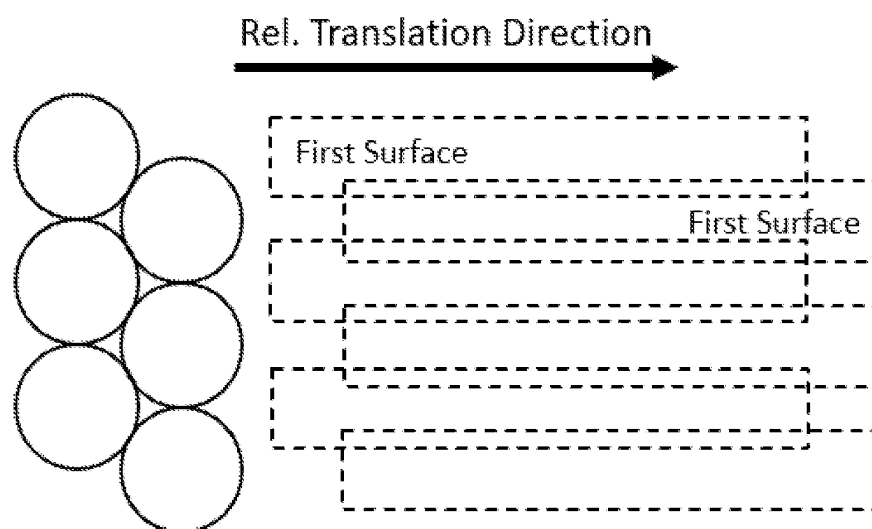


FIG. 43B

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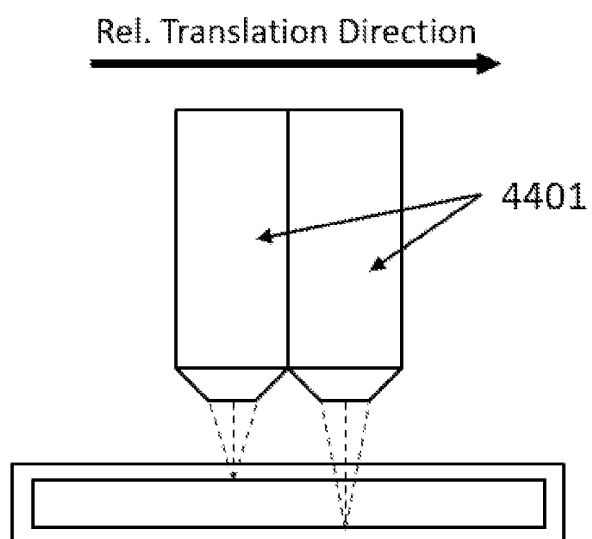


FIG. 44A

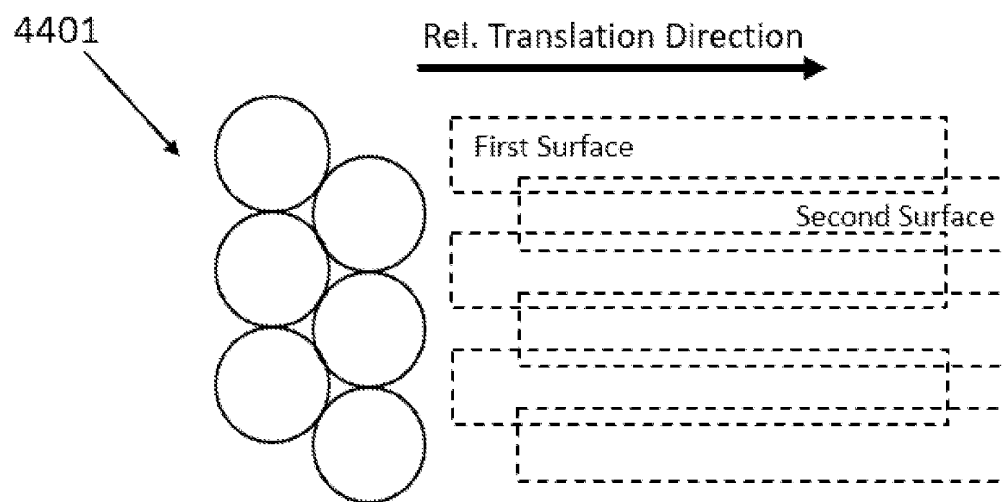


FIG. 44B

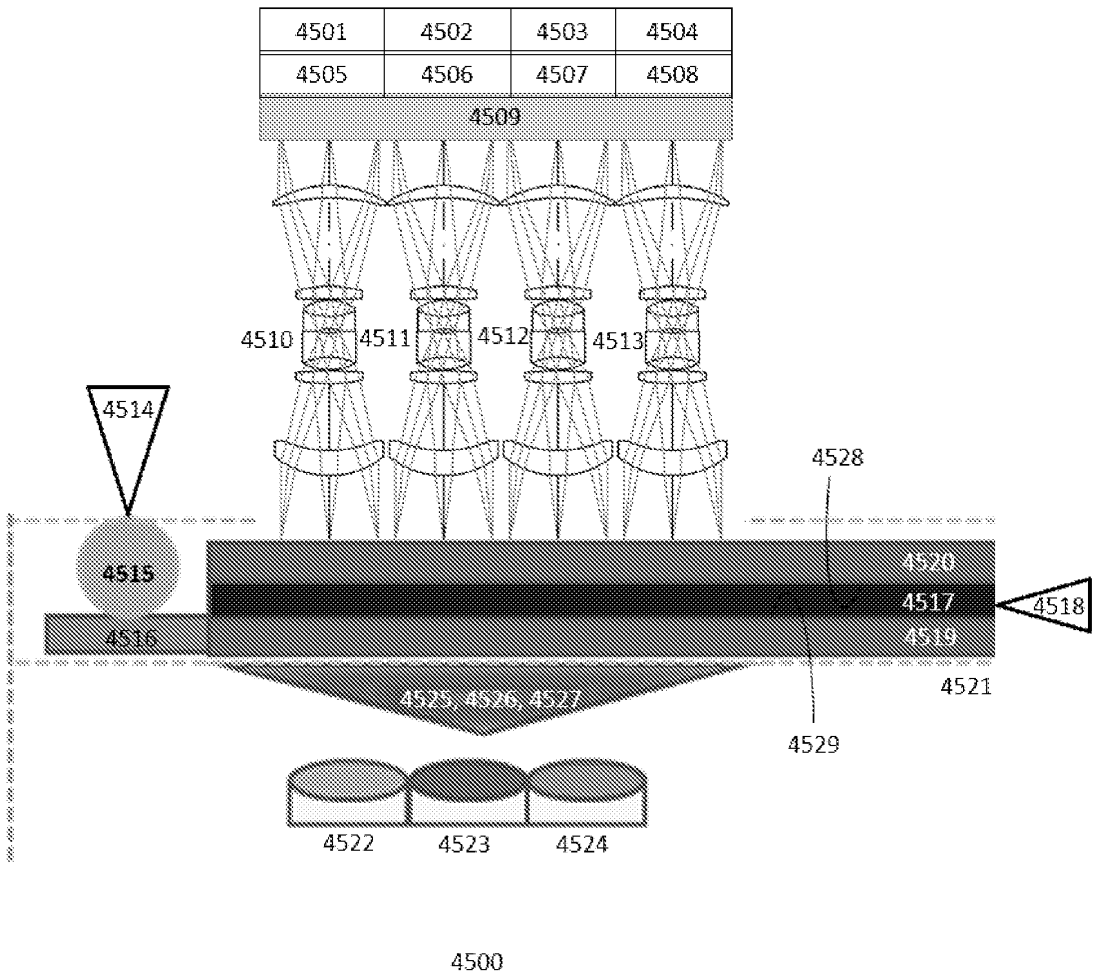


FIG. 45

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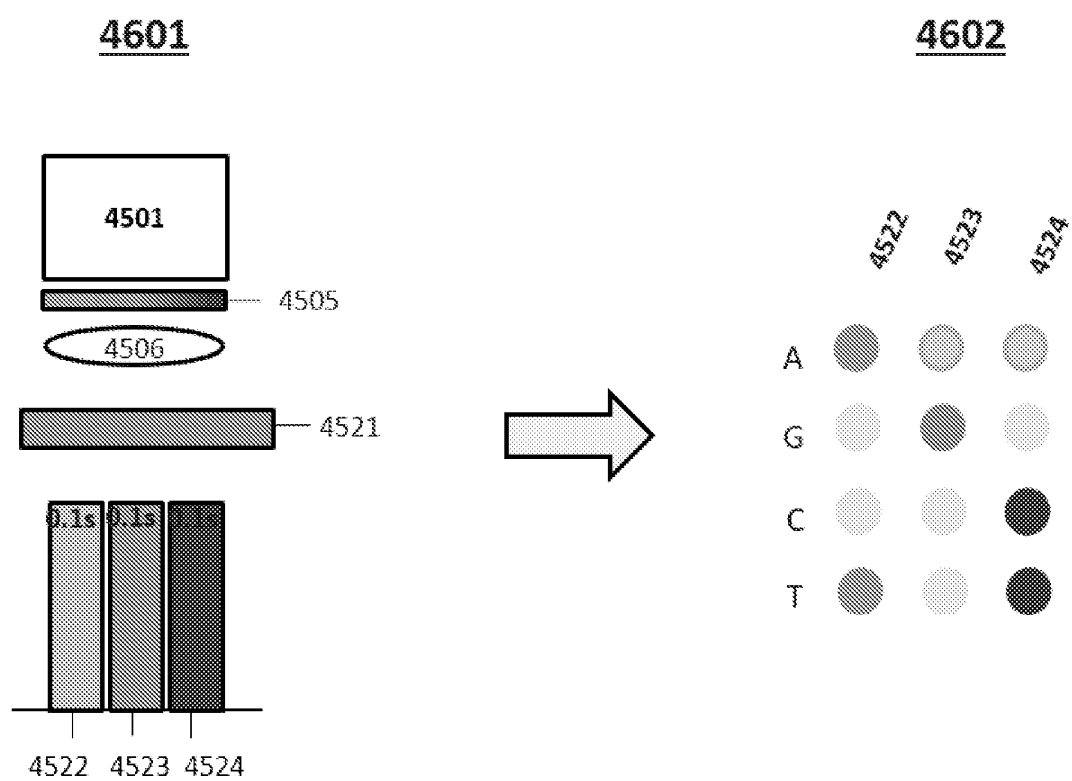


FIG. 46

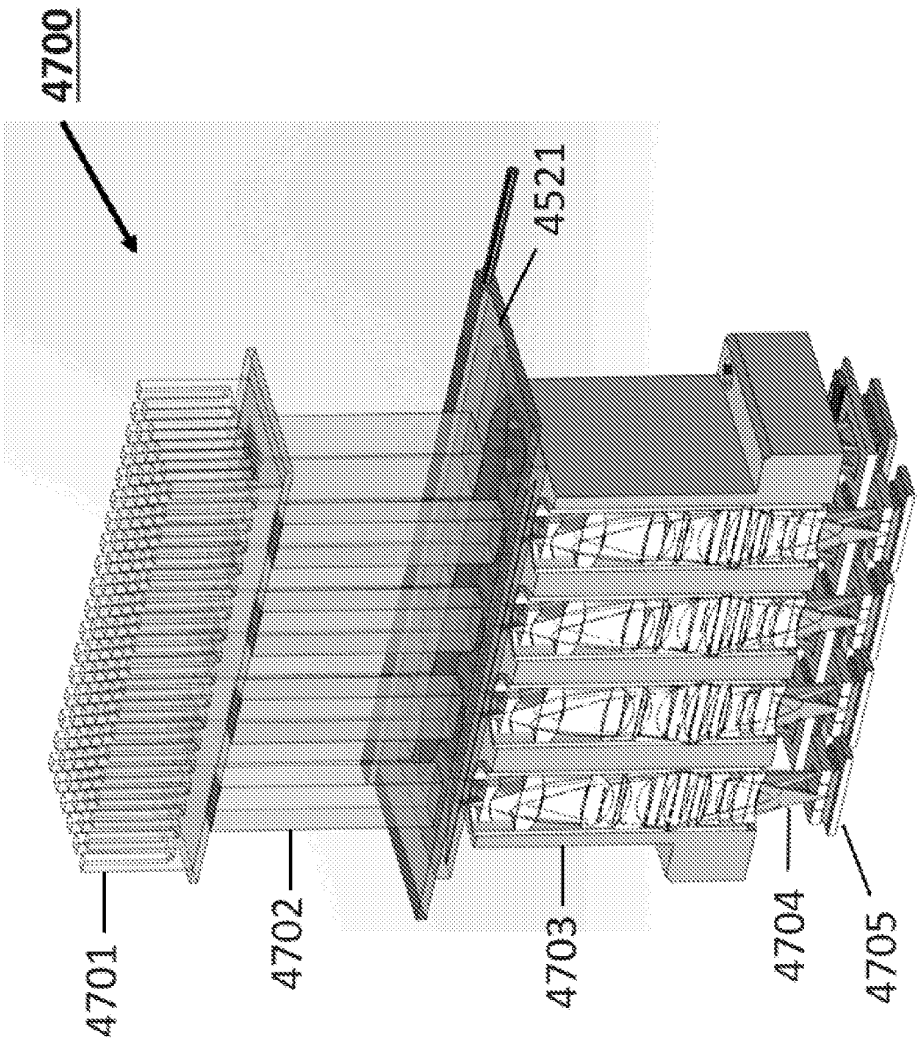


FIG. 47A

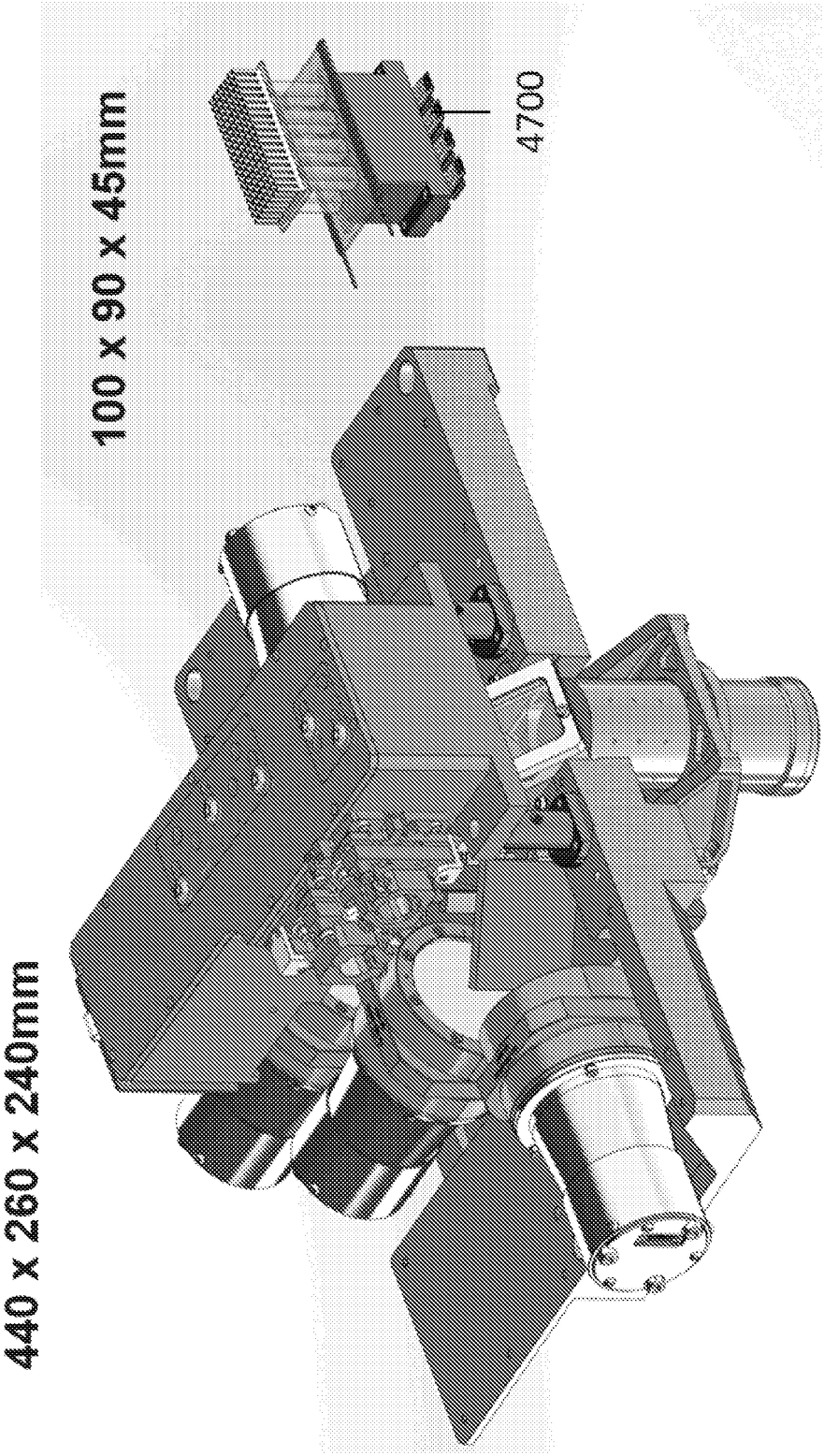
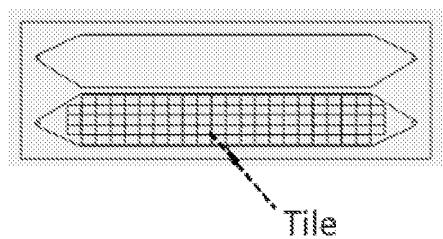


FIG. 47B

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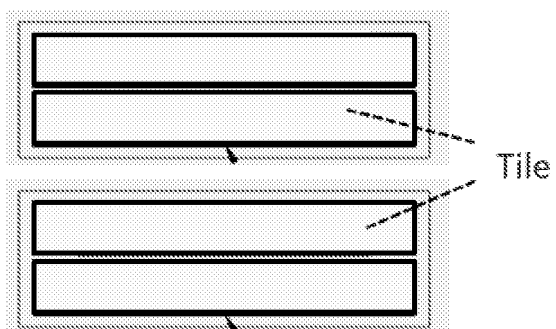
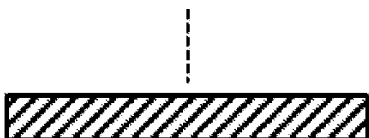
Imaging Area



Imaging 424 individual  
tiles

FIG. 48A

Imaging Area



Imaging < 40 individual  
tiles

FIG. 48B

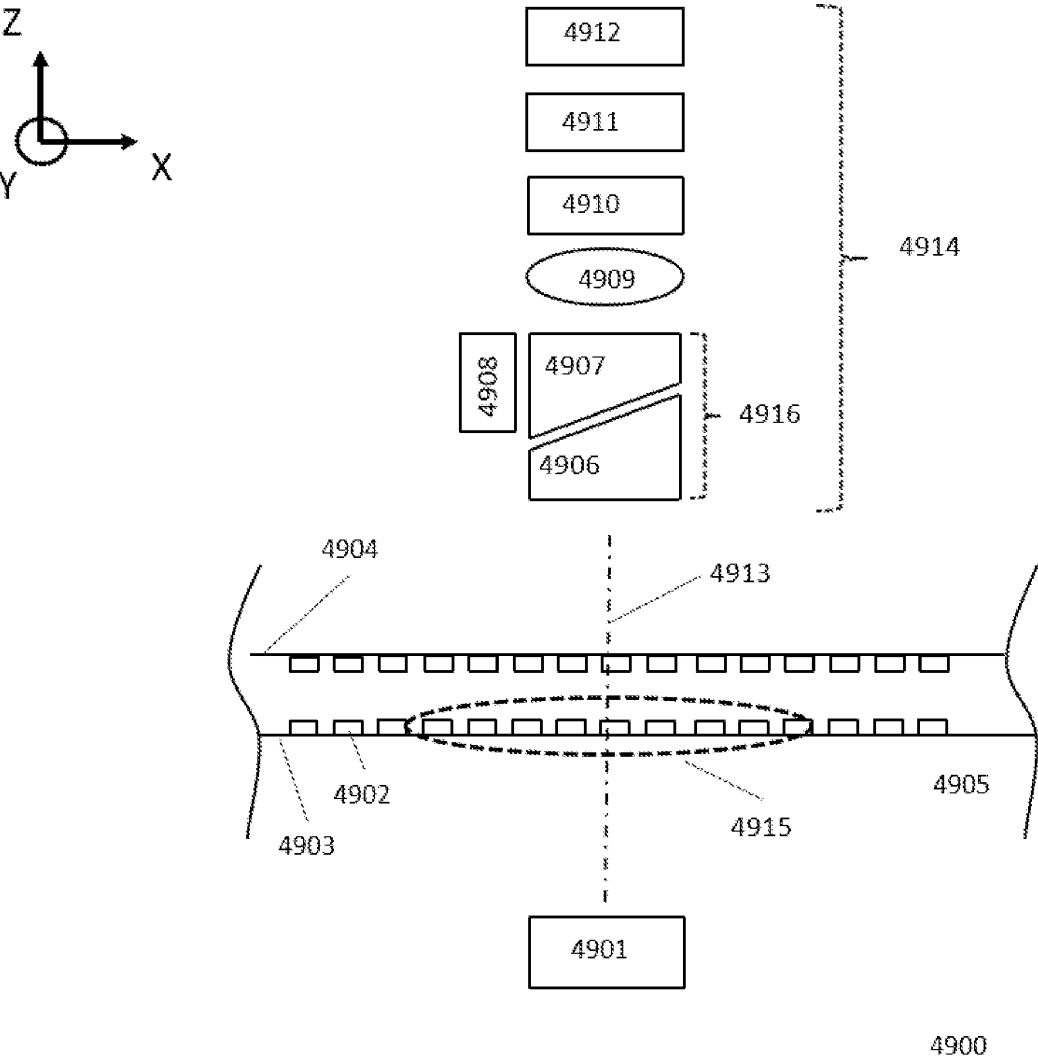


FIG. 49A

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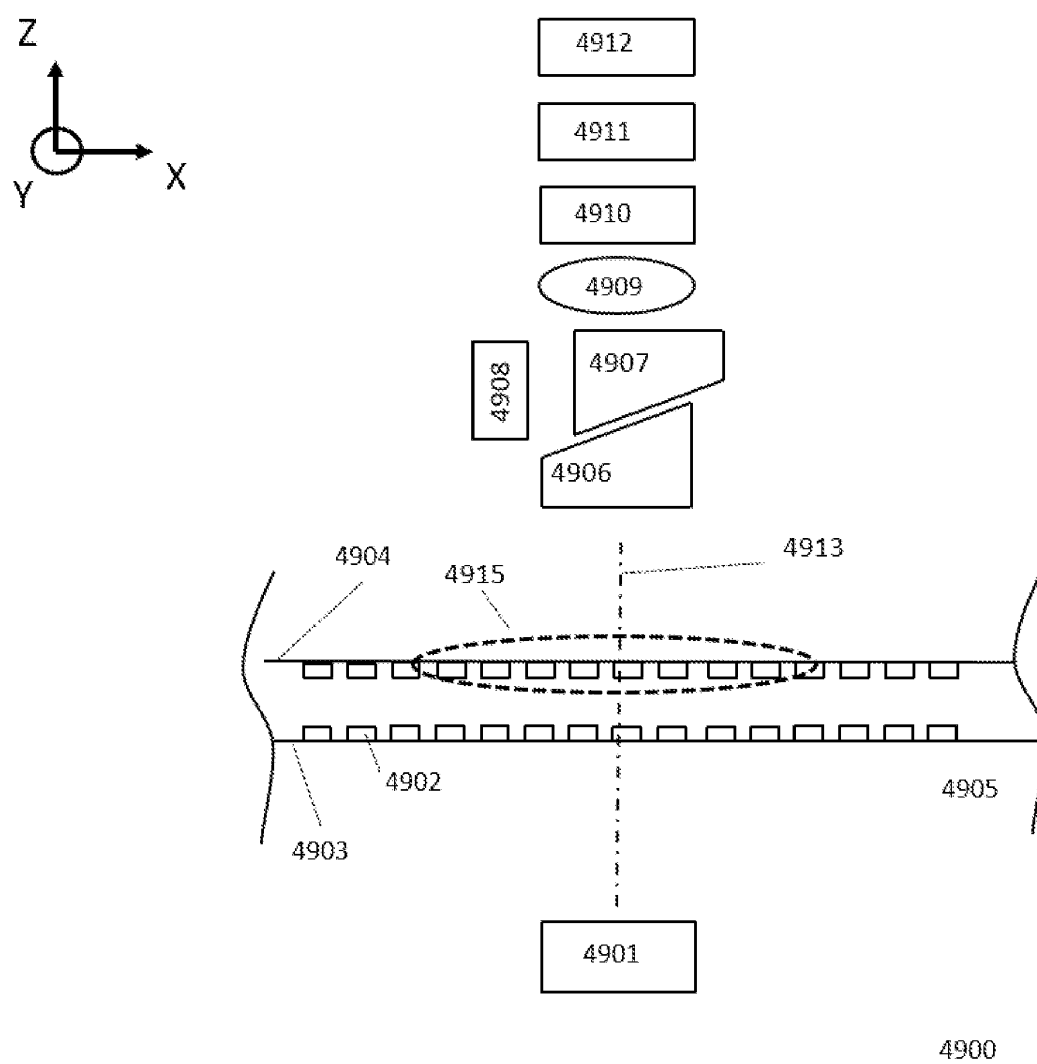


FIG. 49B

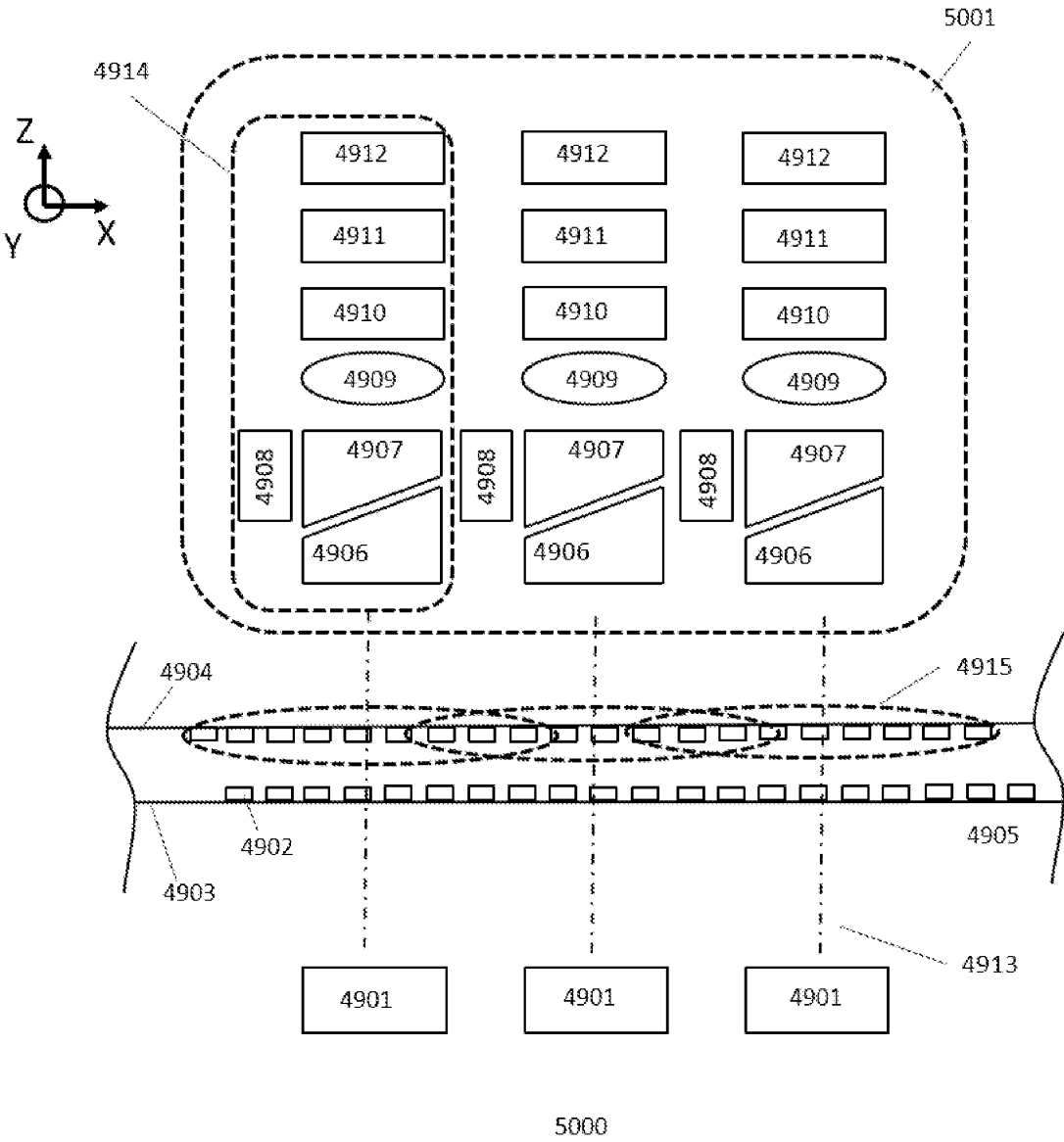


FIG. 50

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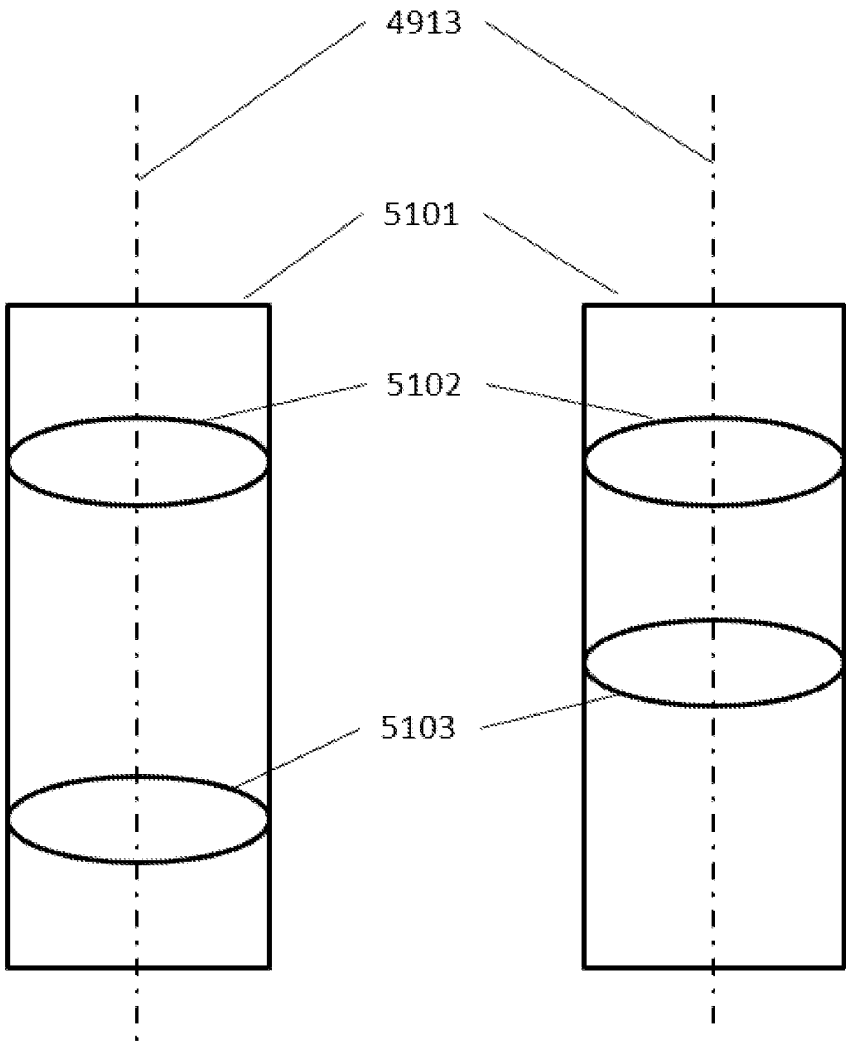


FIG. 51A

FIG. 51B

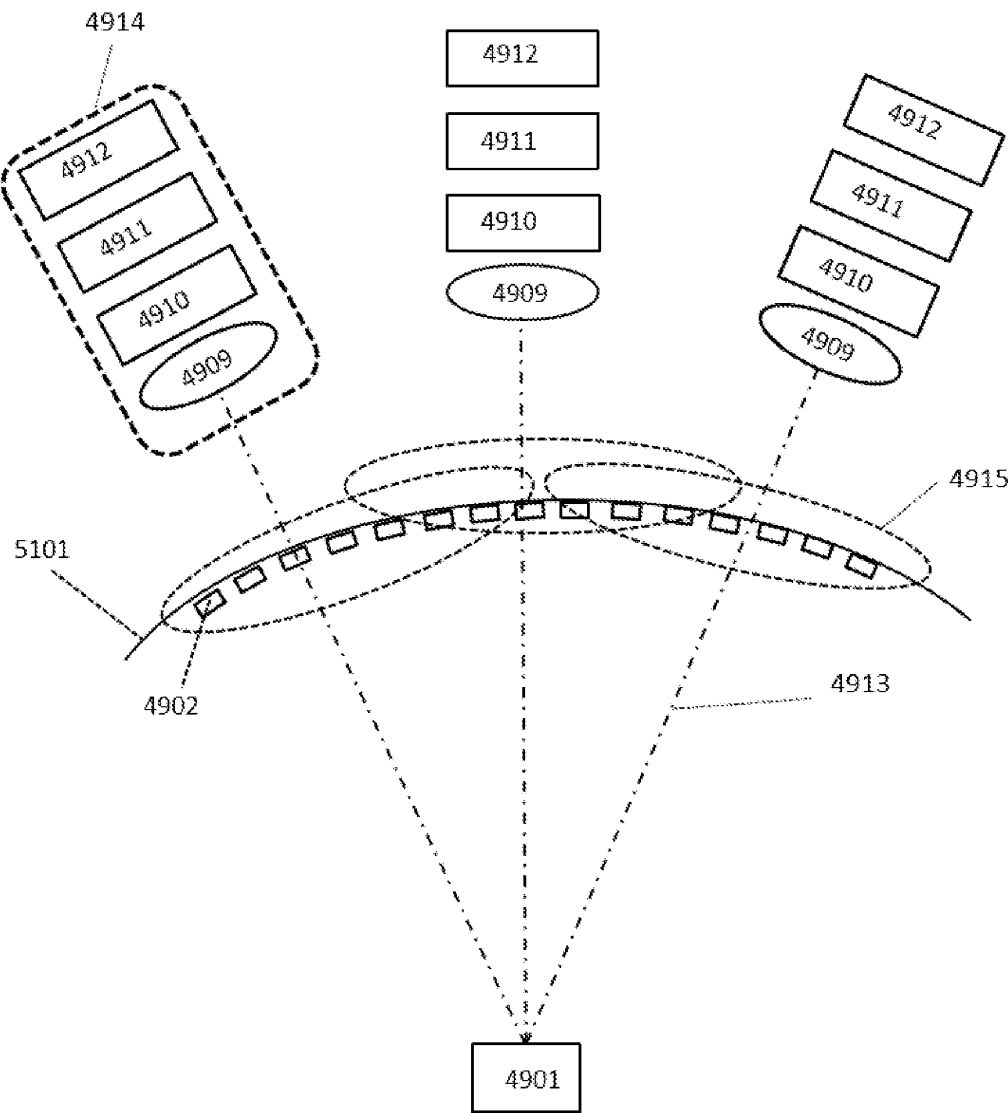


FIG. 52

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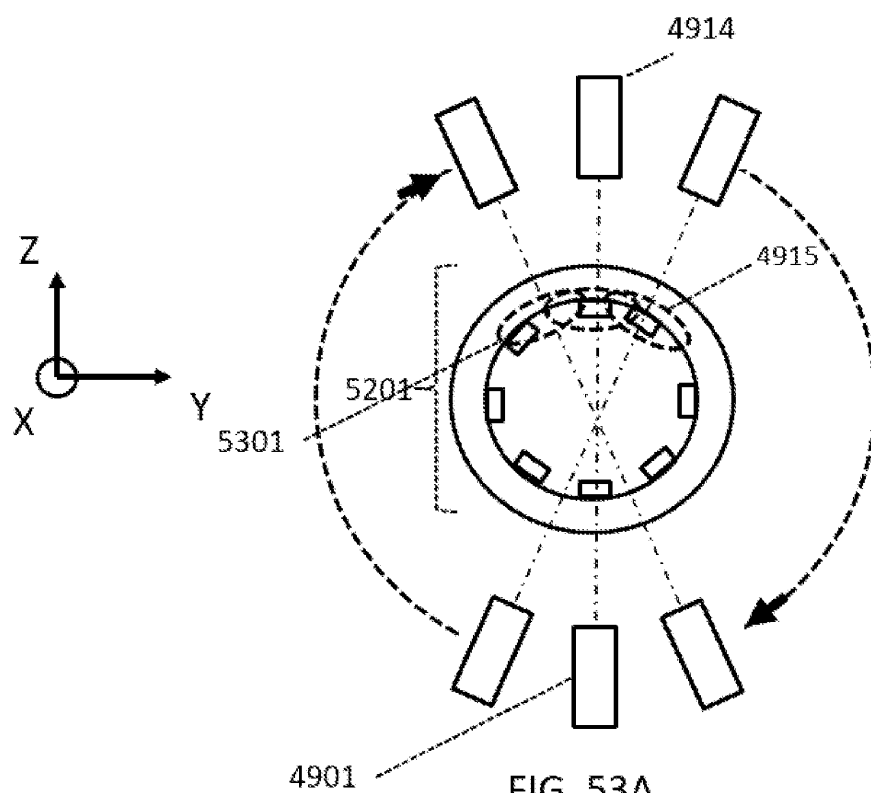


FIG. 53A

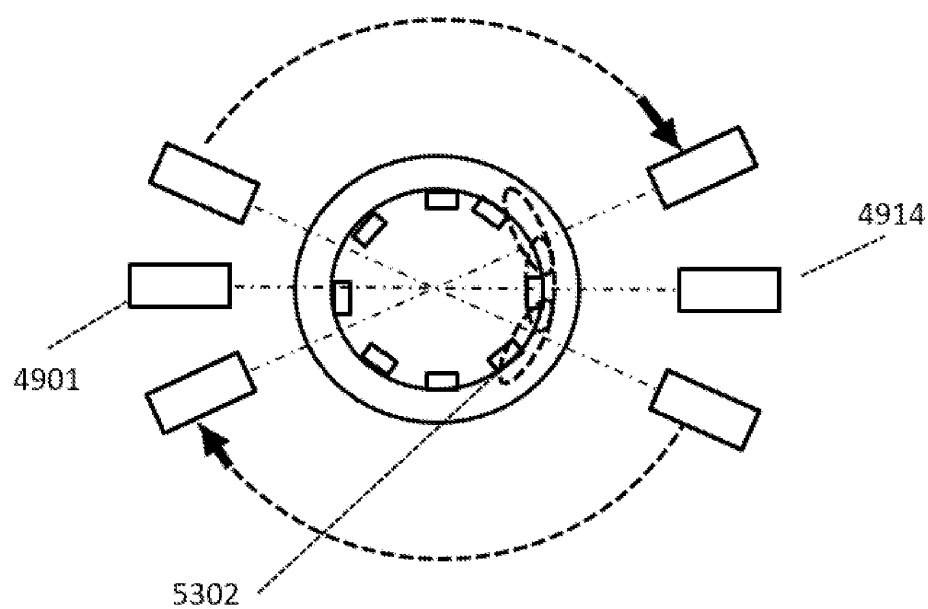


FIG. 53B

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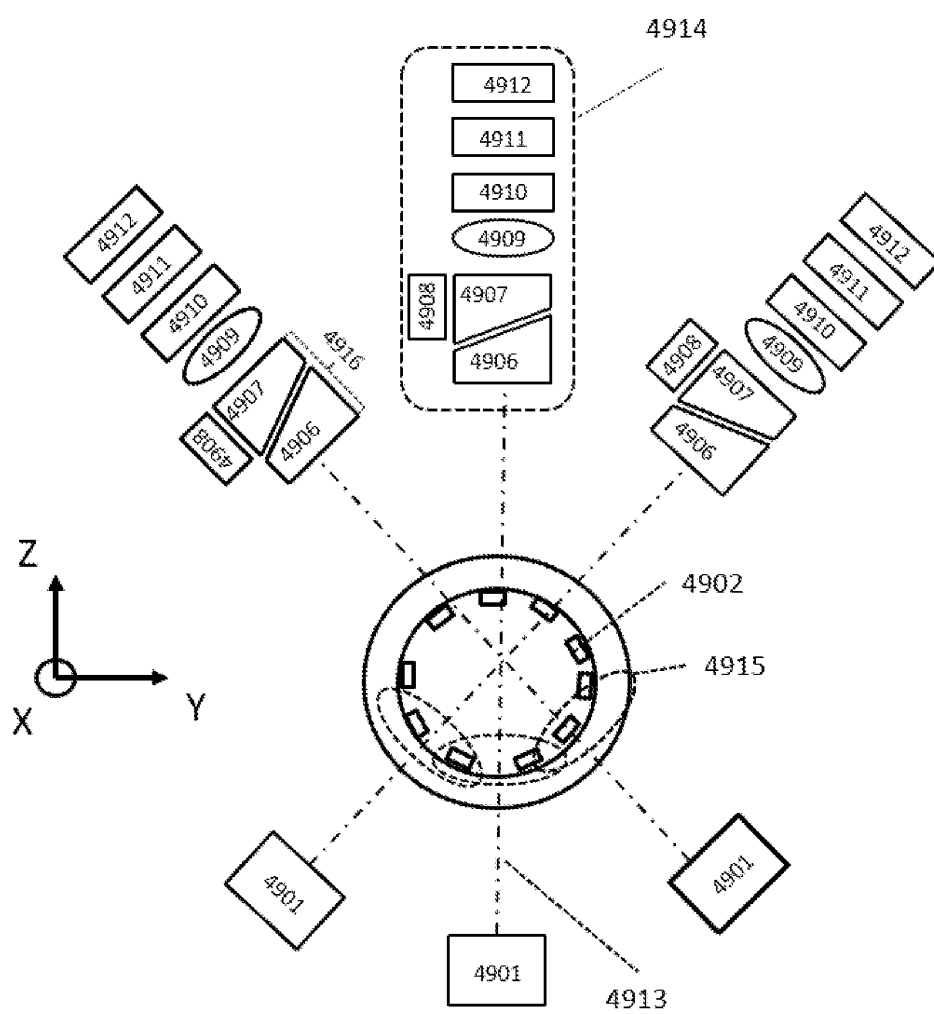


FIG. 54A

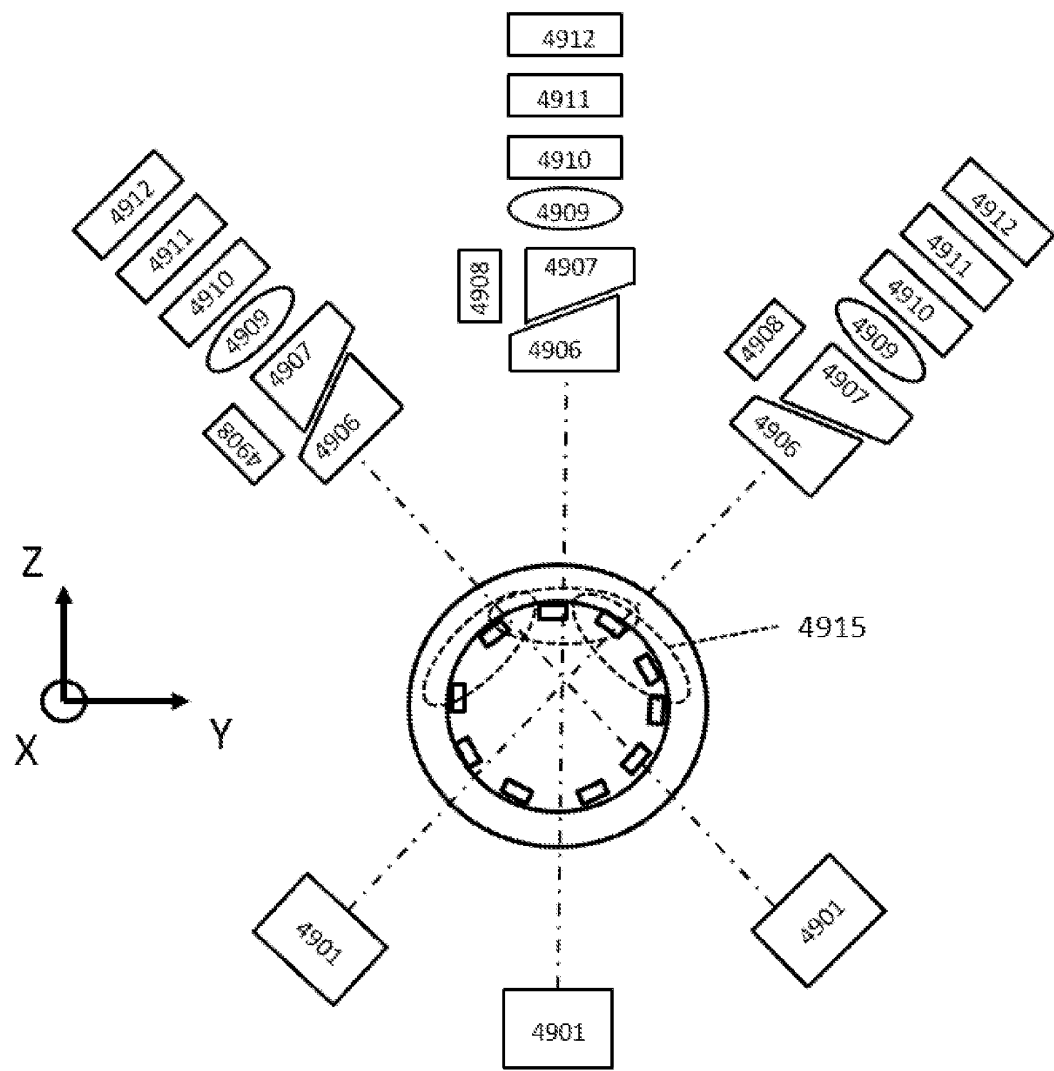


FIG. 54B

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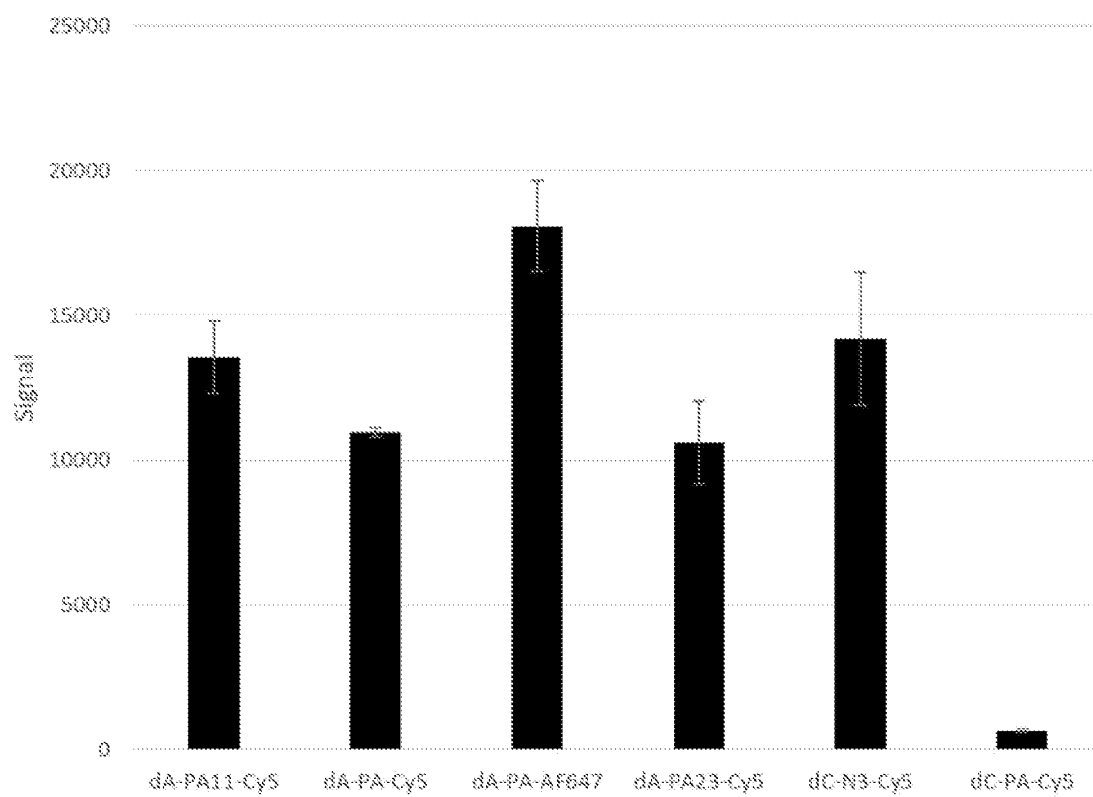


FIG. 55

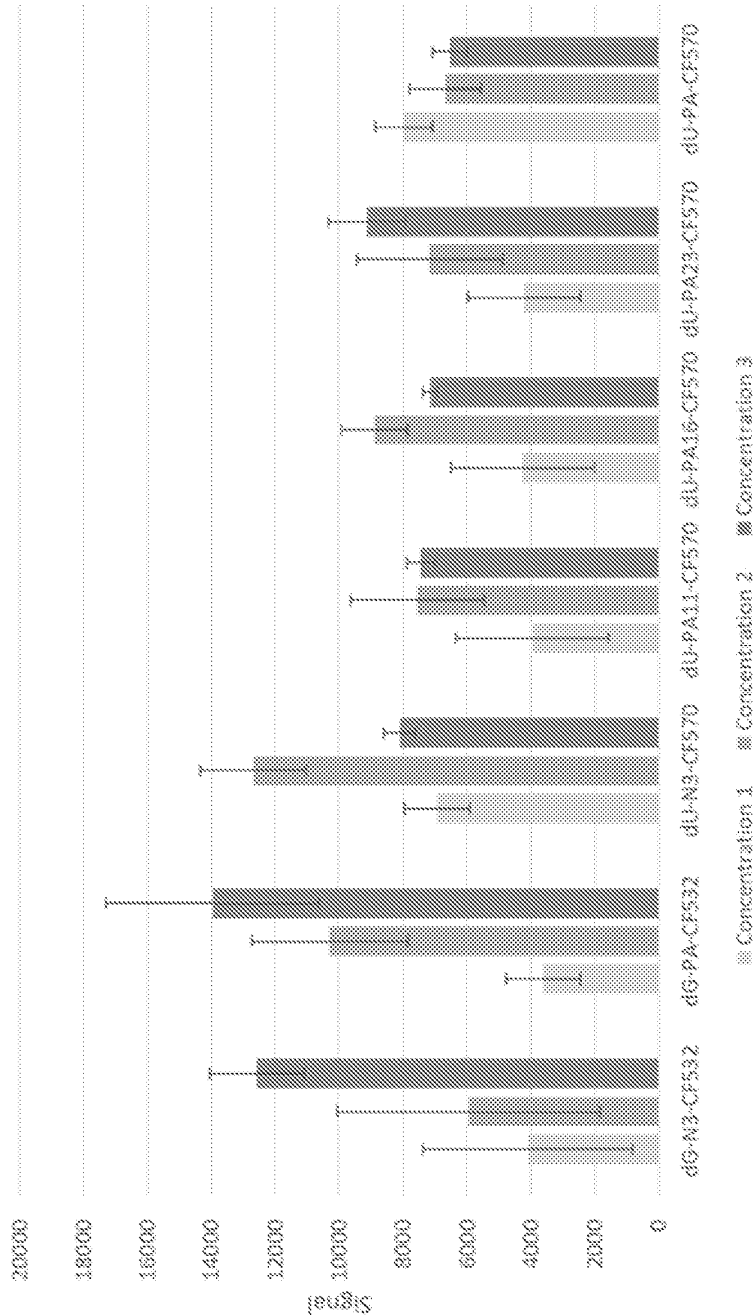


FIG. 56

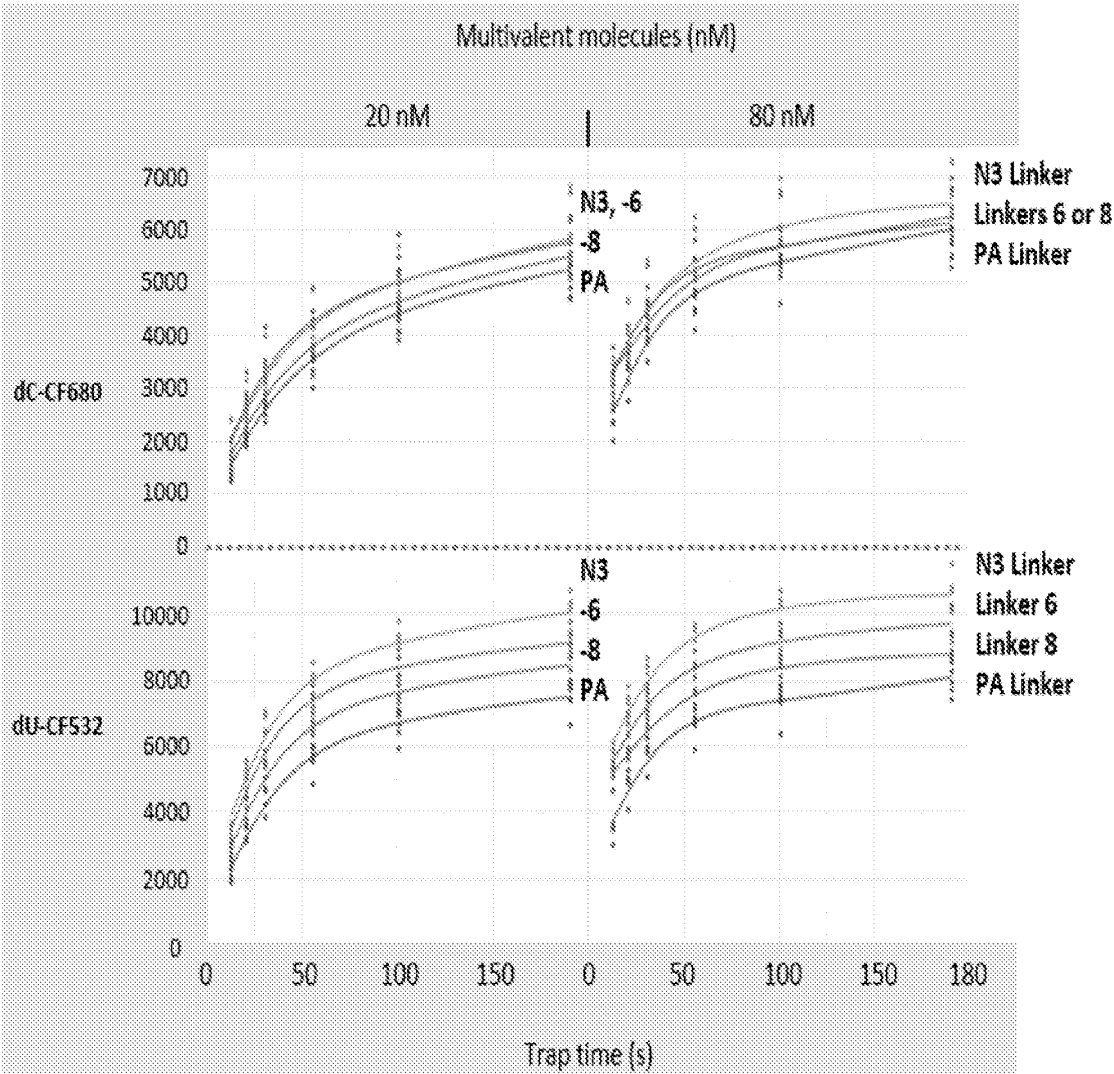


FIG. 57

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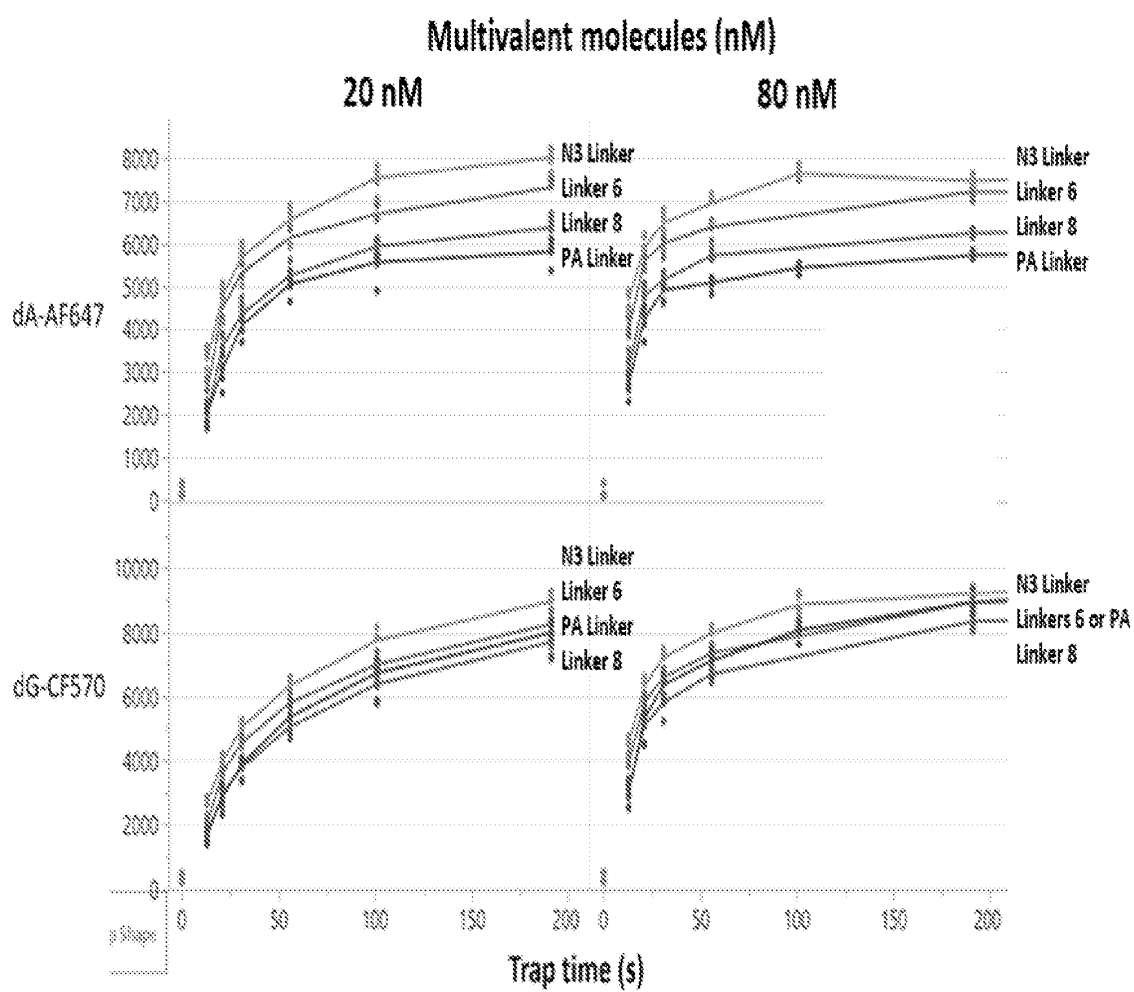


FIG. 58

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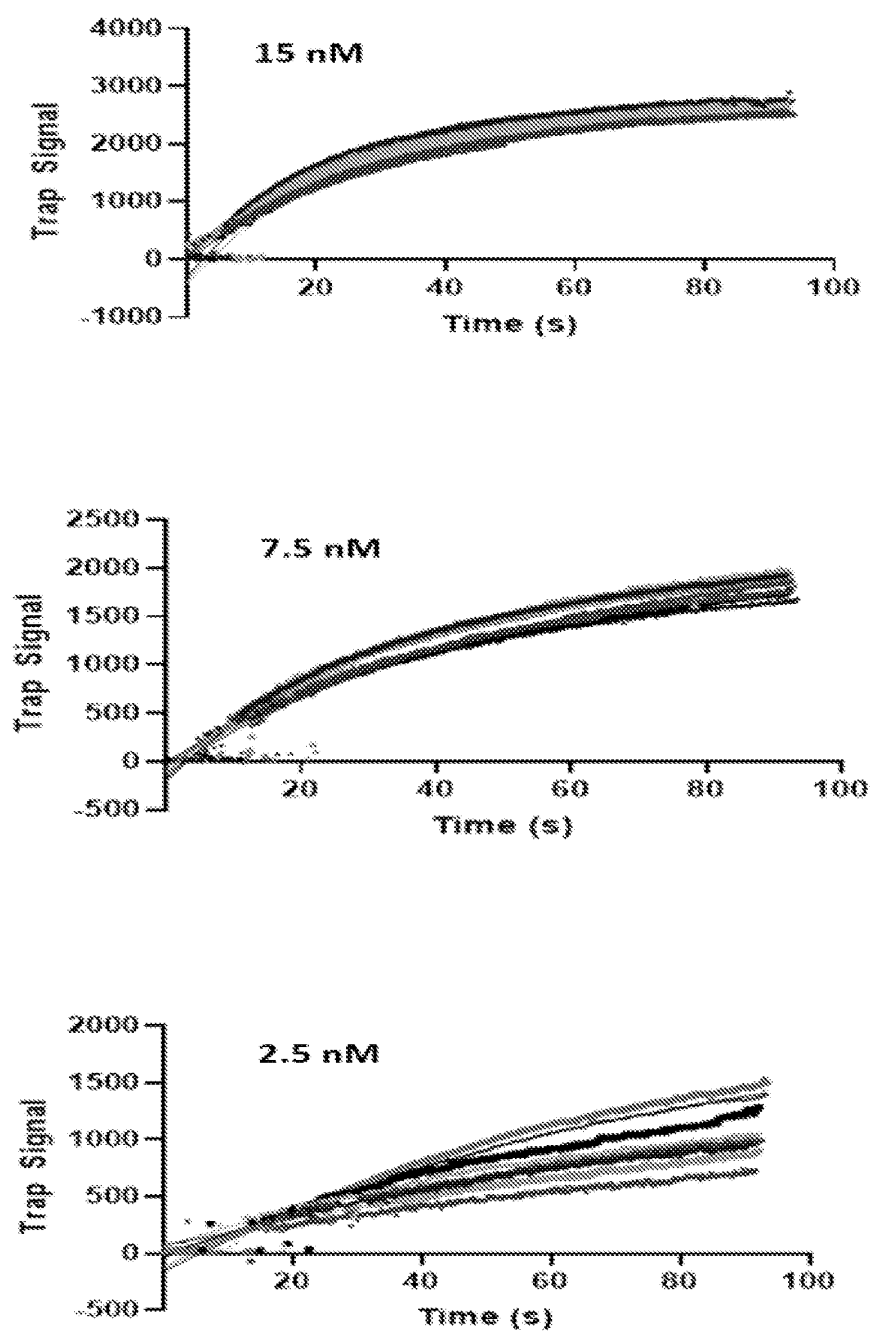


FIG. 59

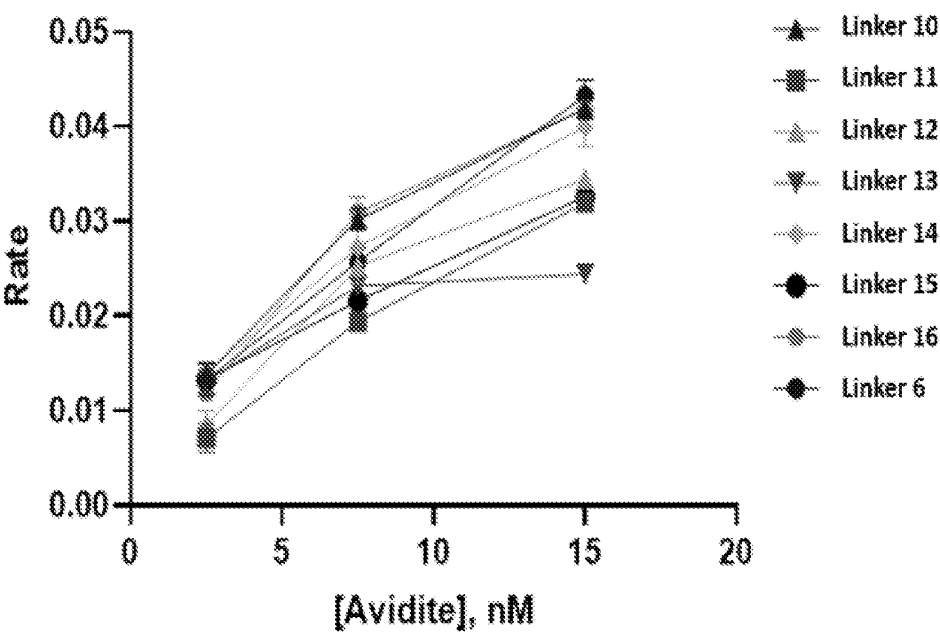


FIG. 60

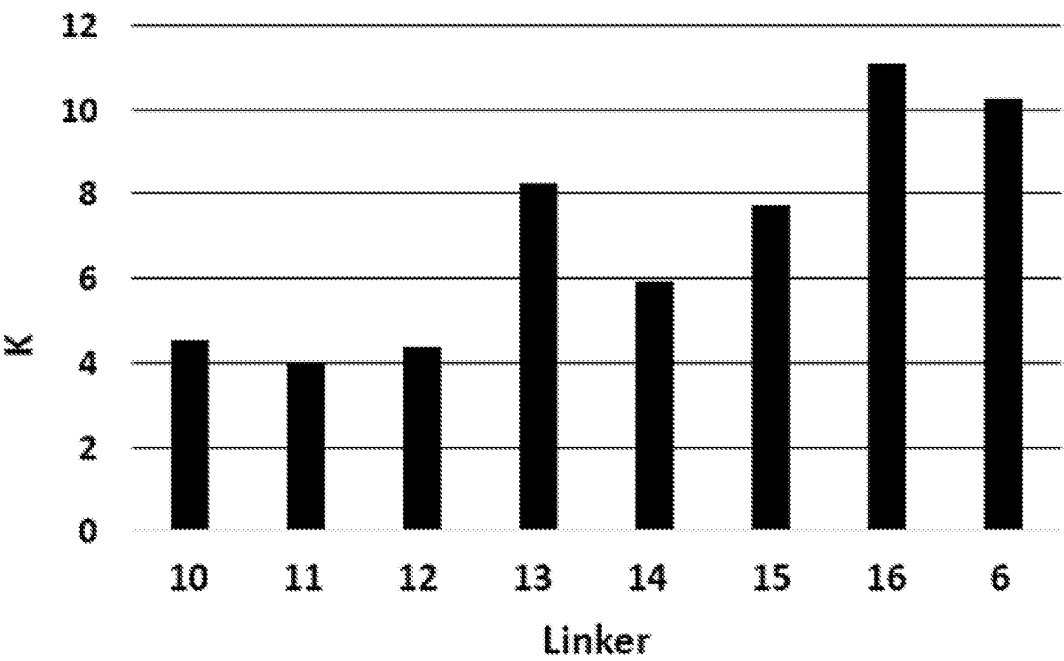


FIG. 61

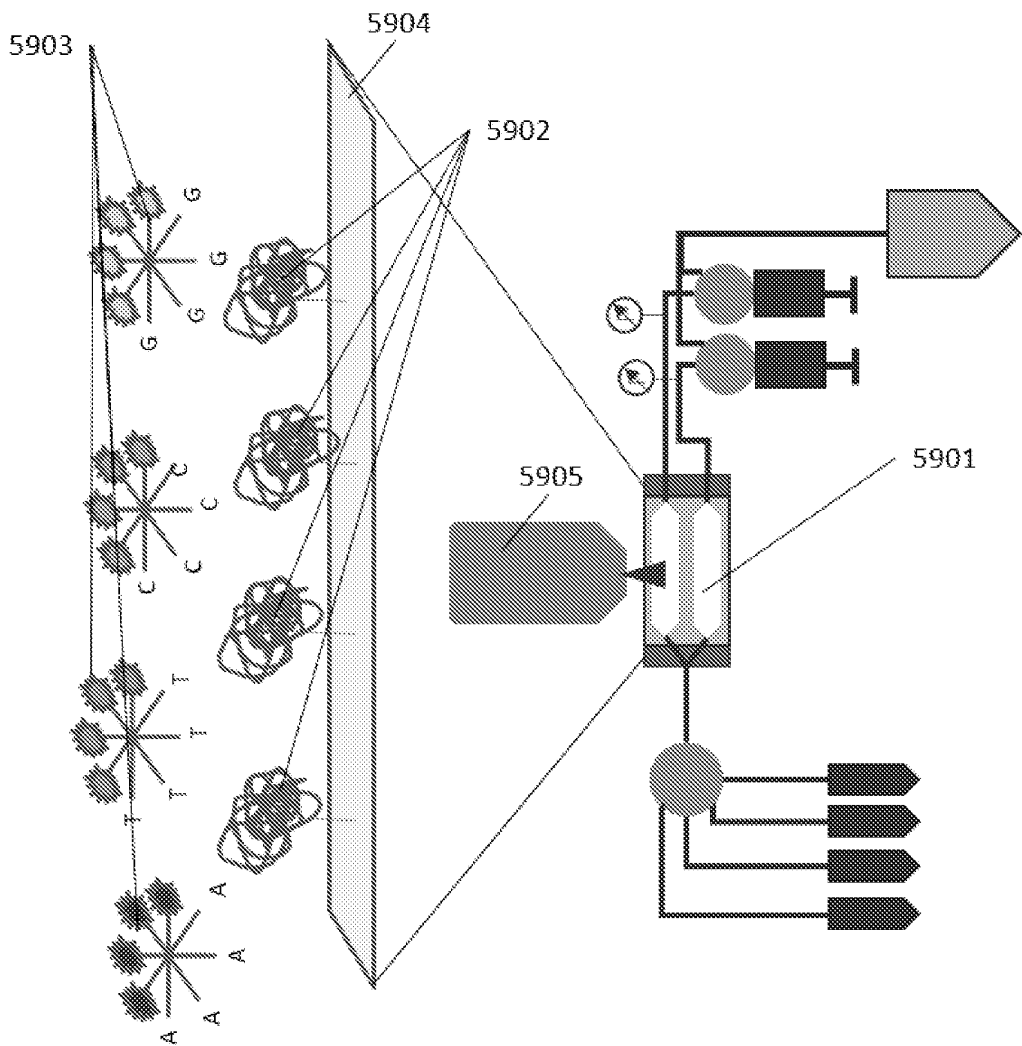
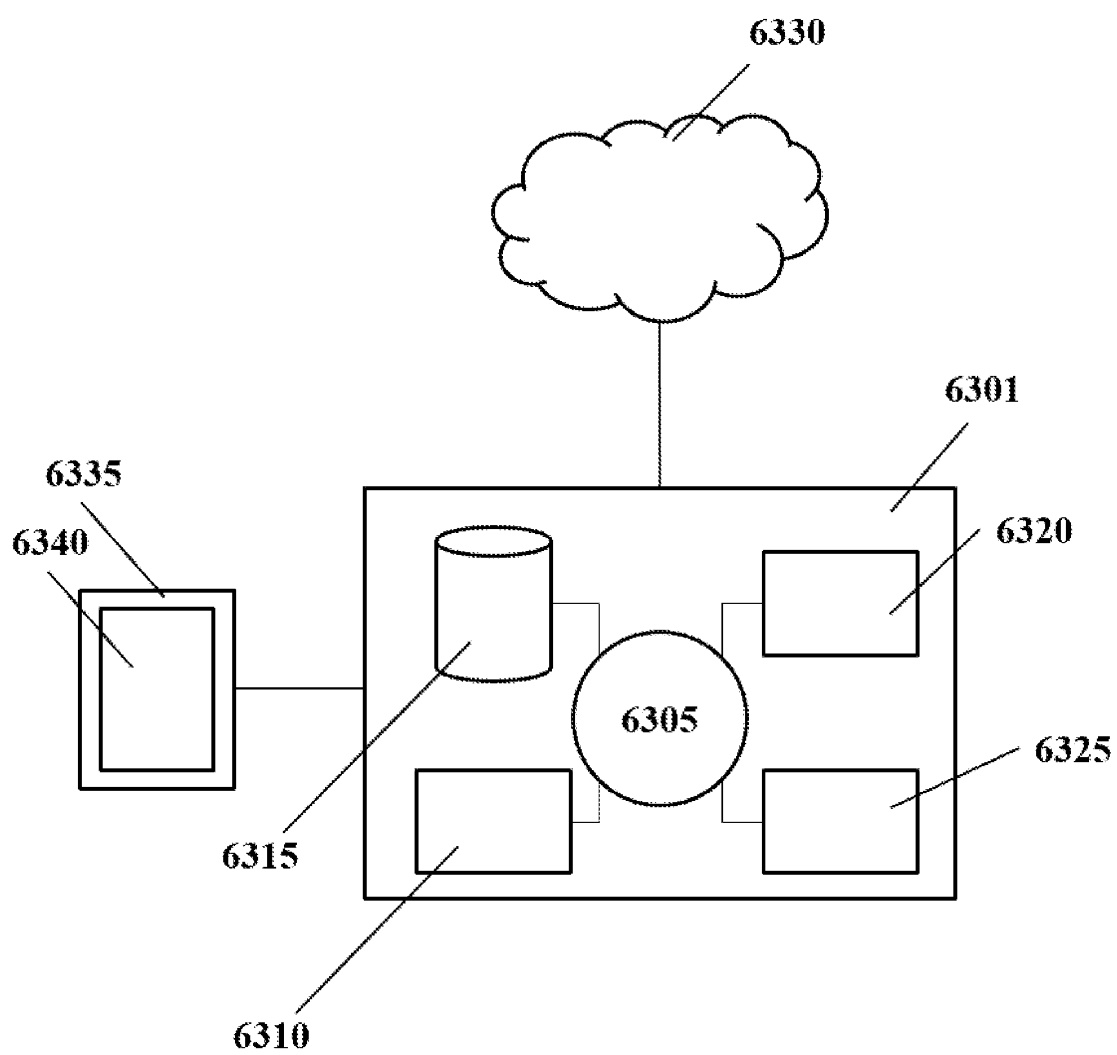


FIG. 62

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**FIG. 63**