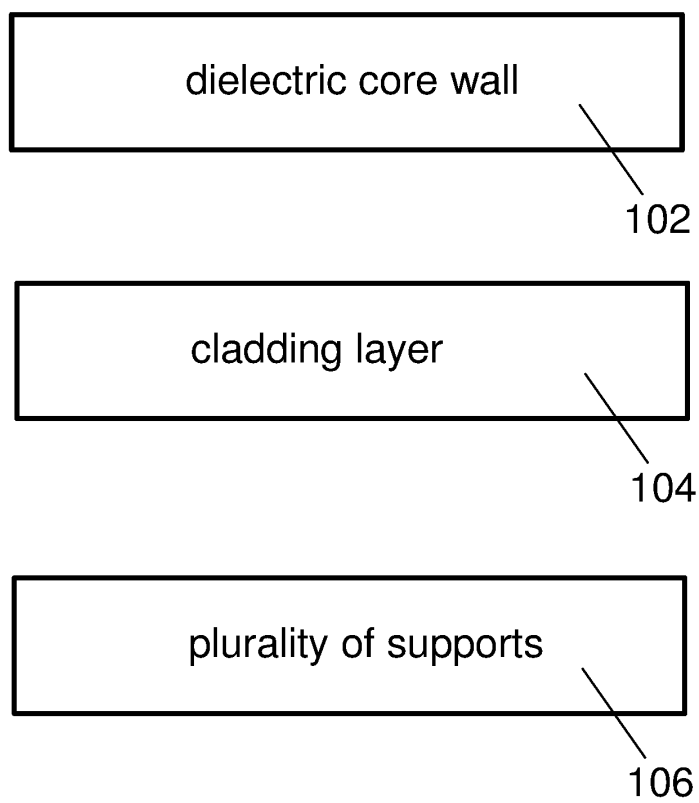
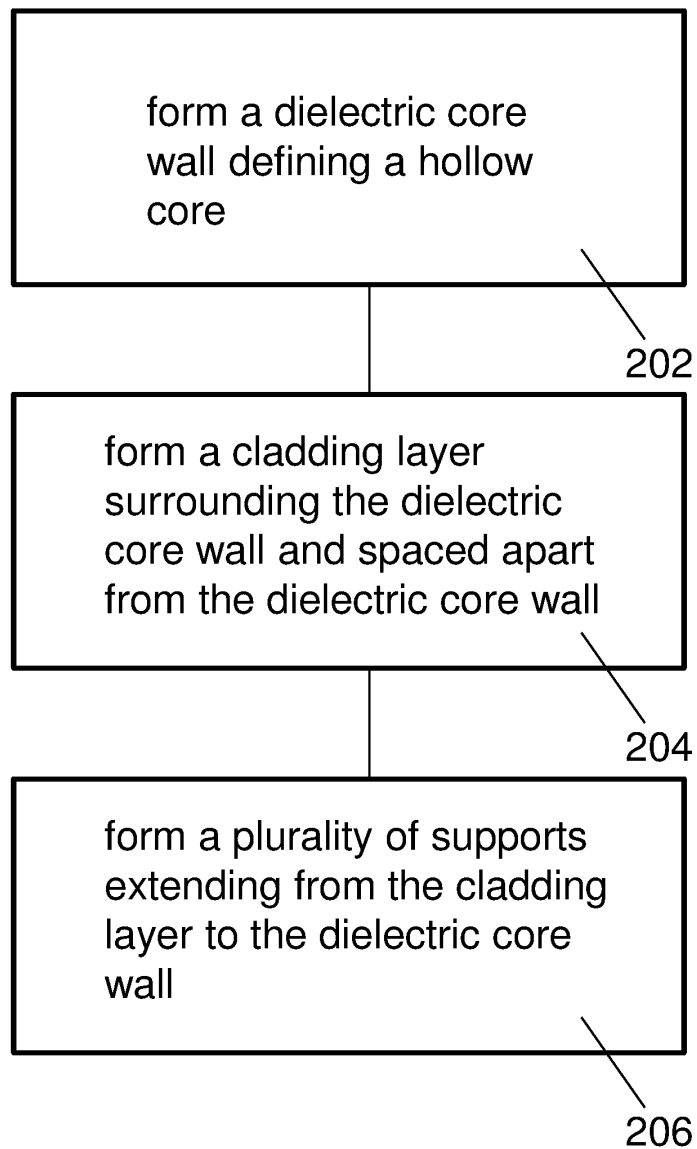


1/37

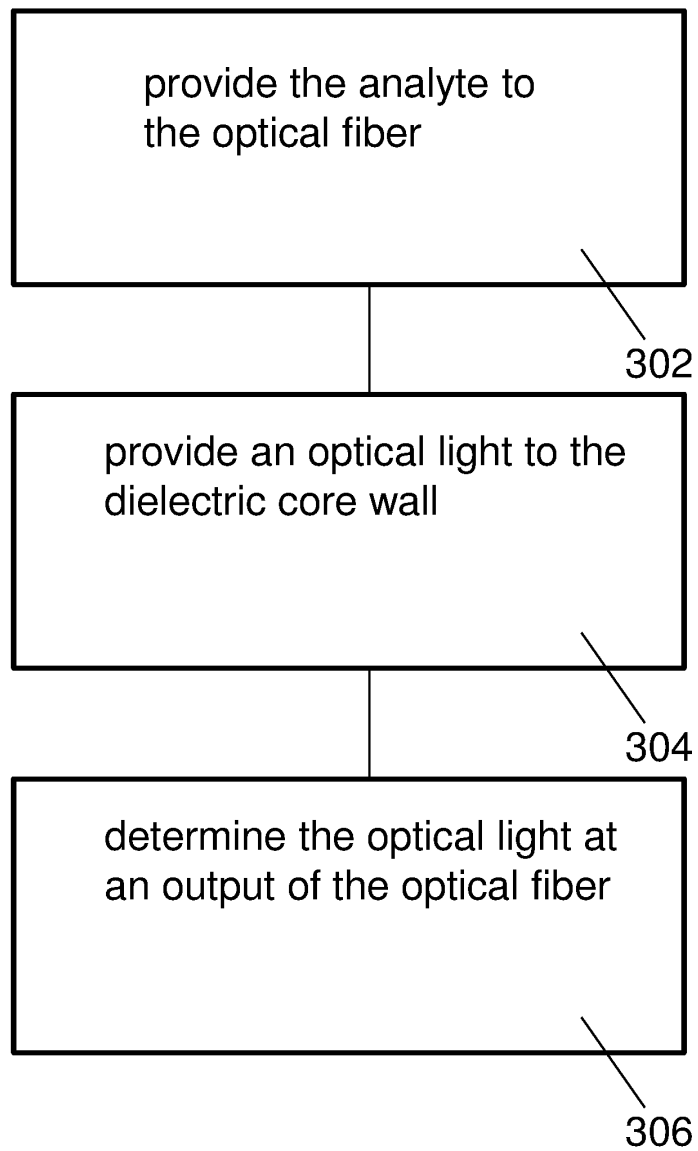
FIG. 1



2/37

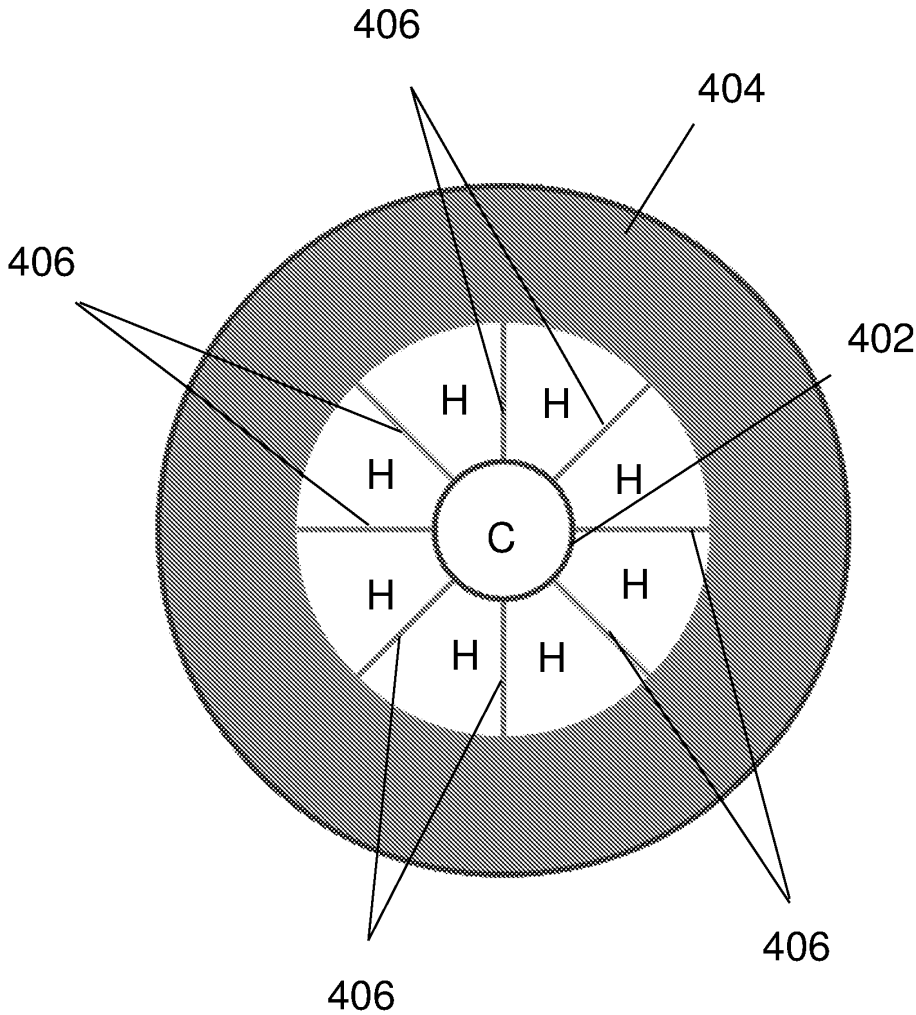
FIG. 2

3/37

FIG. 3

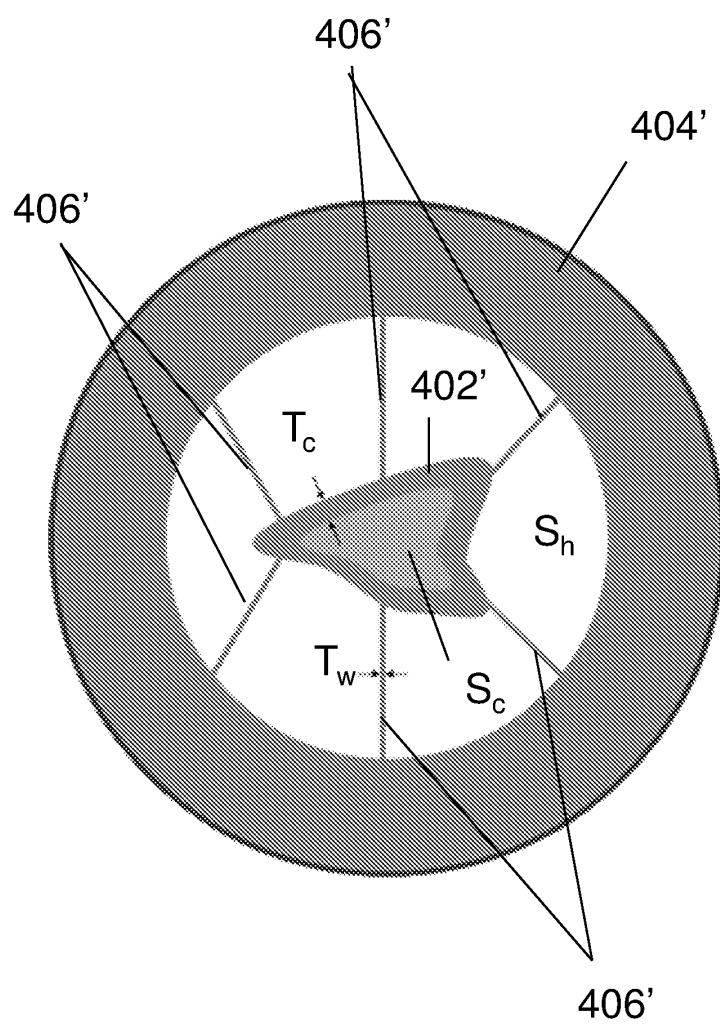
4/37

FIG. 4A



5/37

FIG. 4B



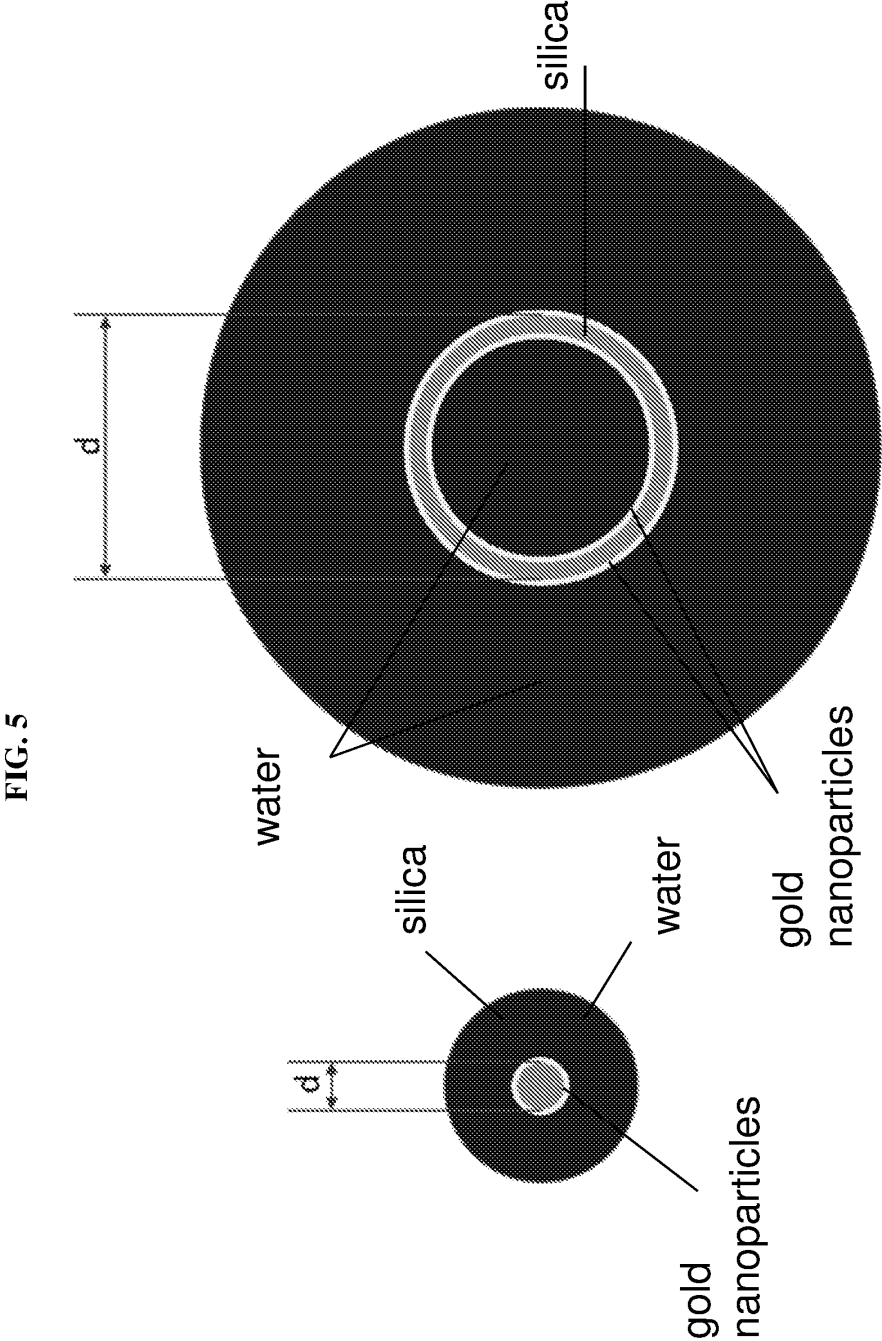
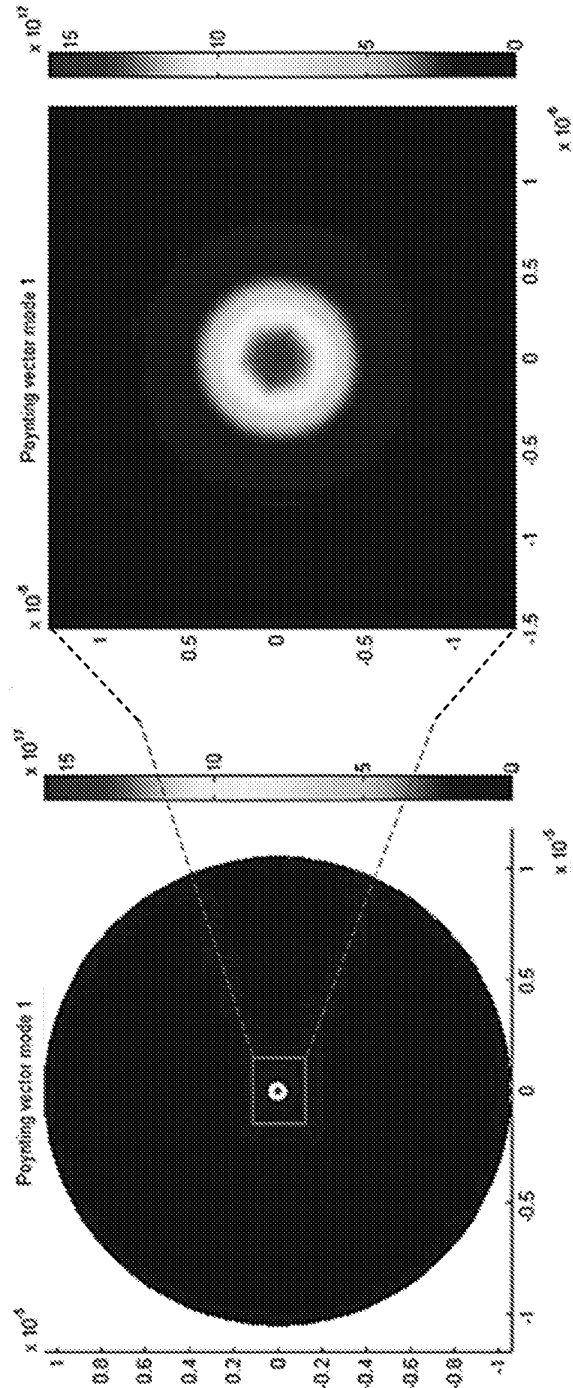
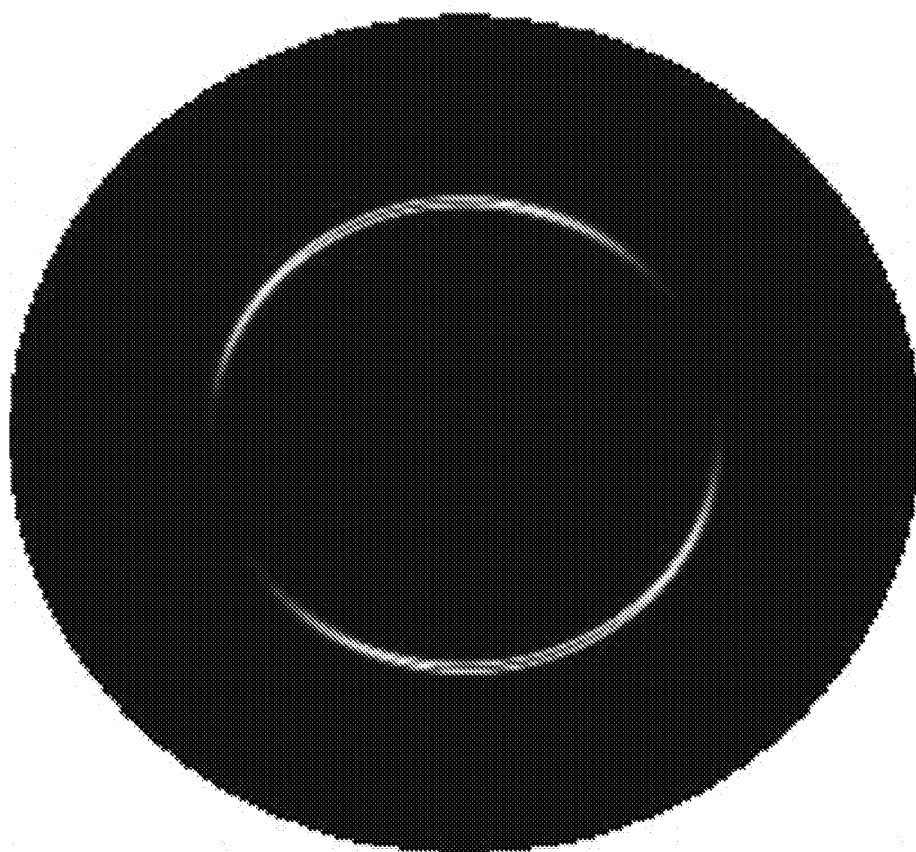


FIG. 6



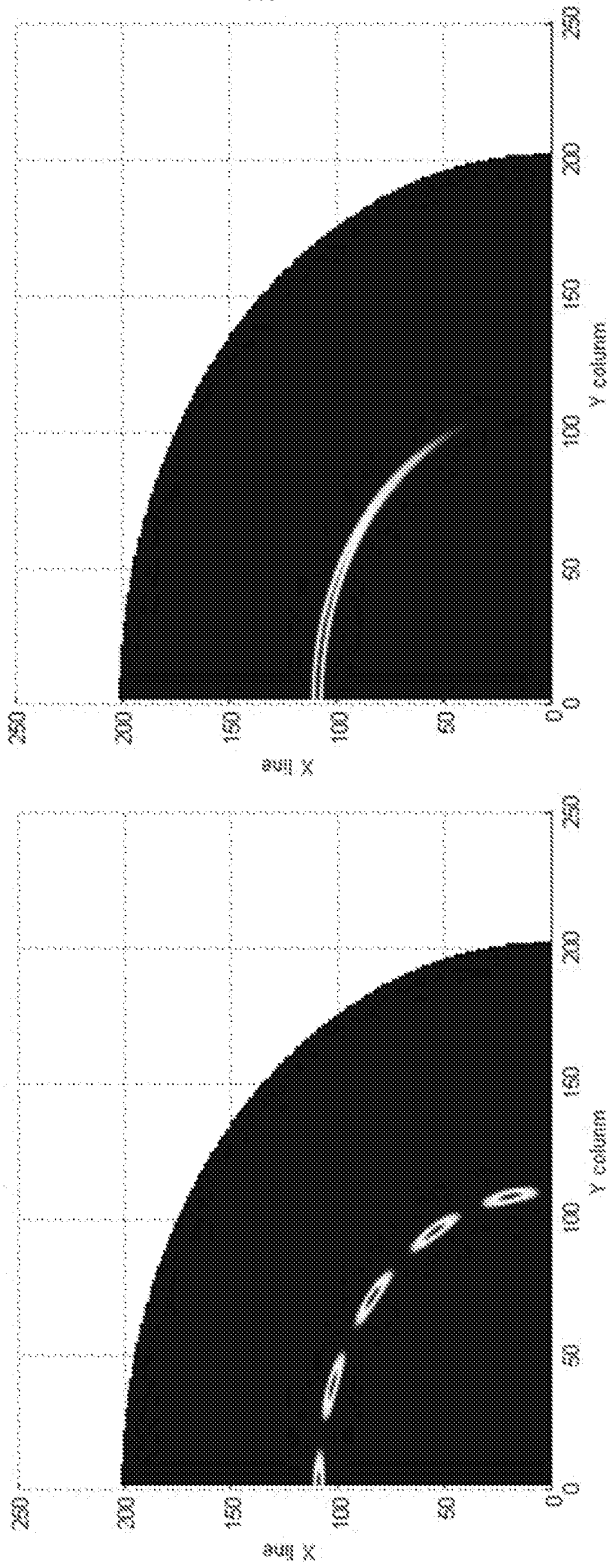
8/37

FIG. 7



9/37

FIG. 8



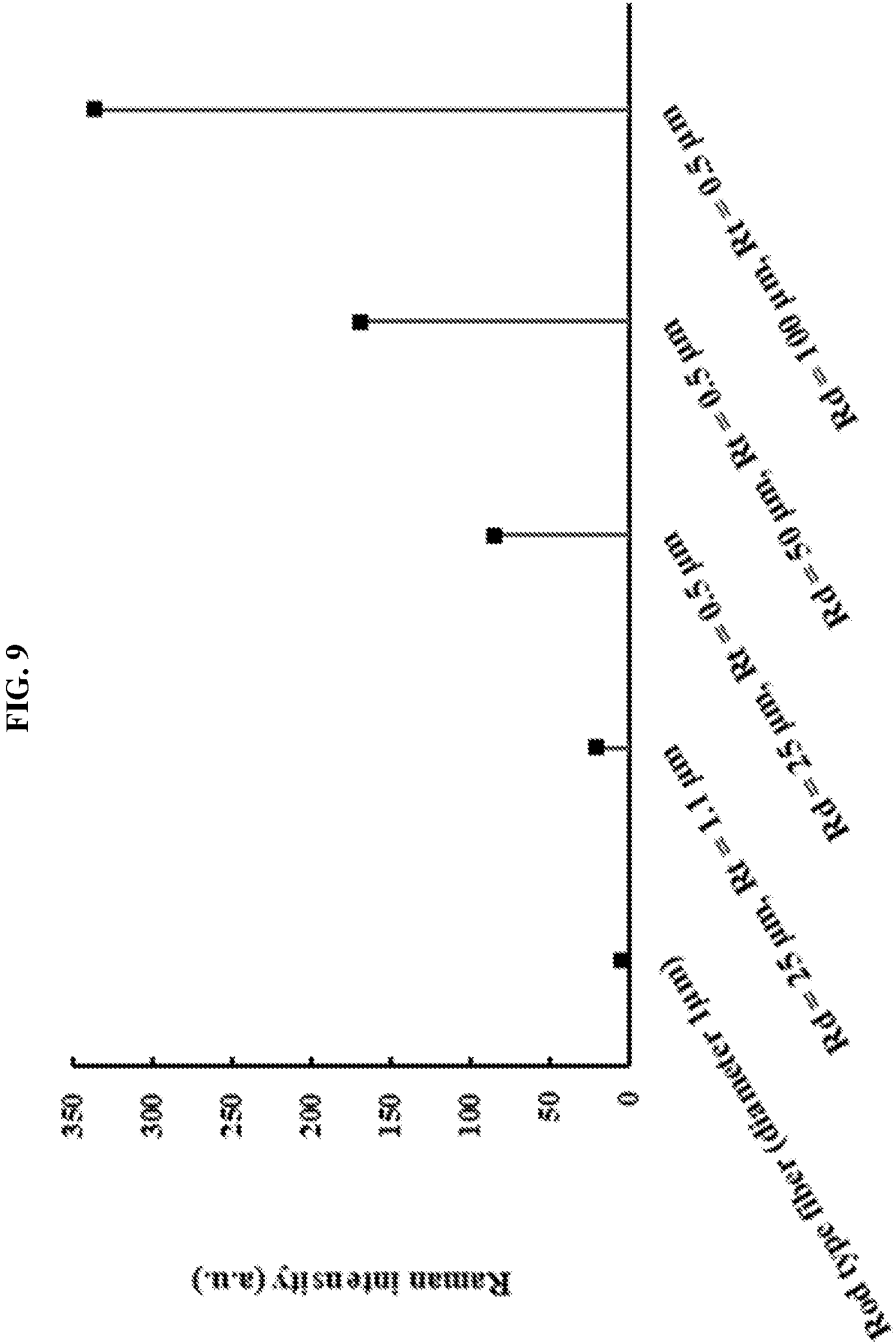


FIG. 10

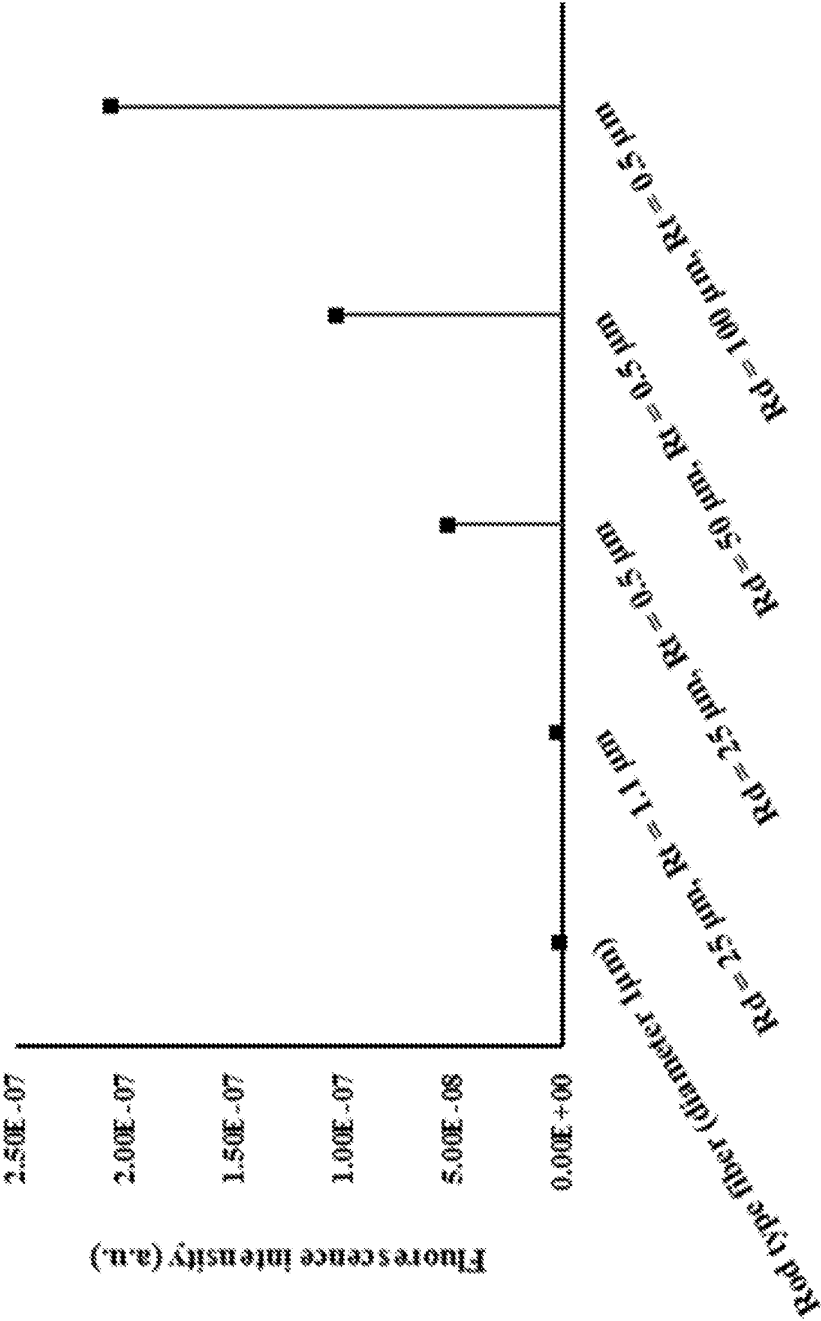


FIG. 11

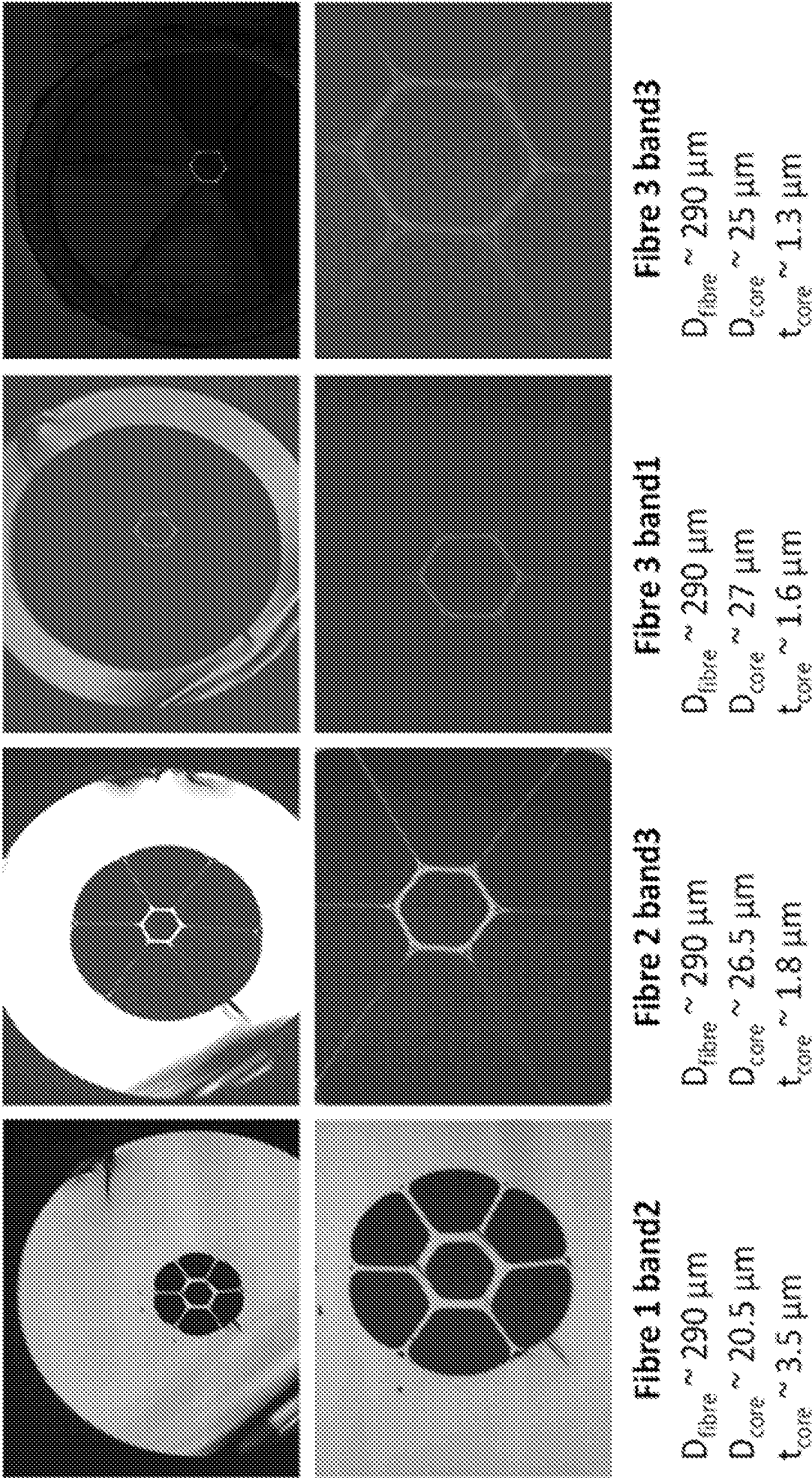
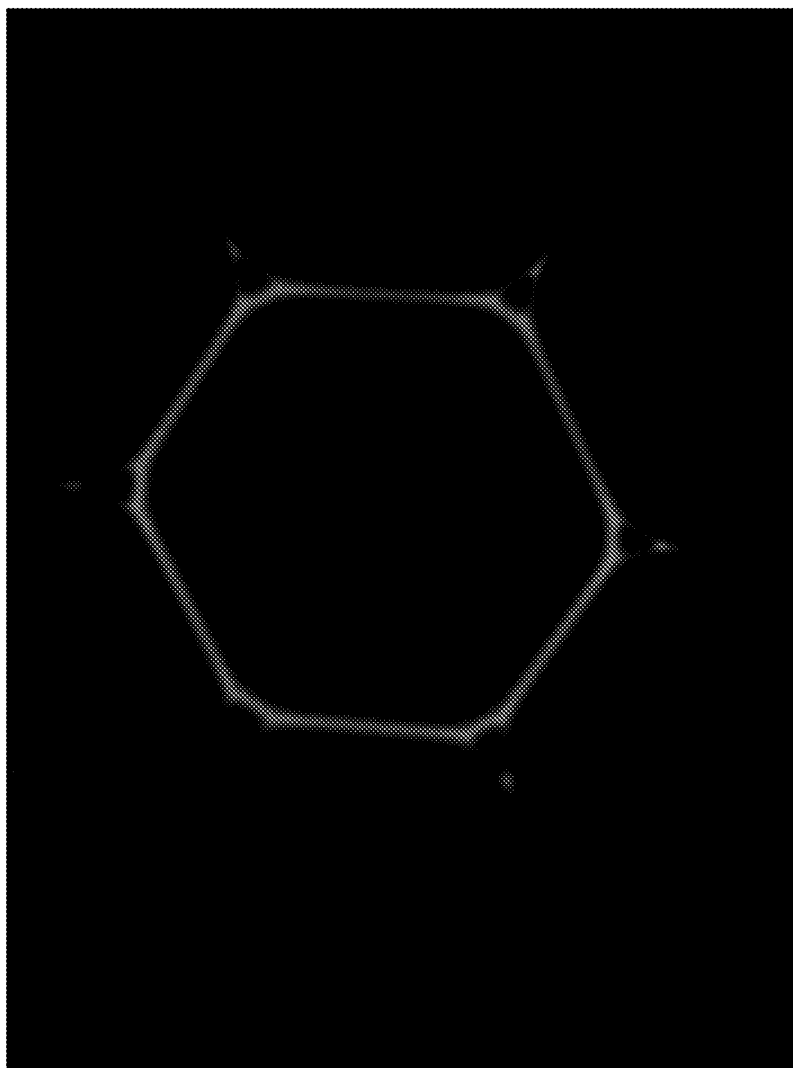
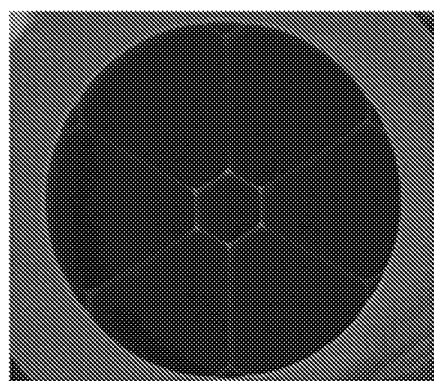
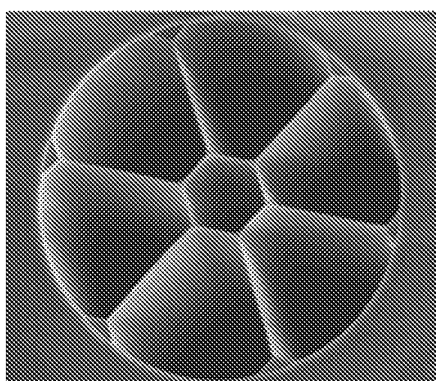
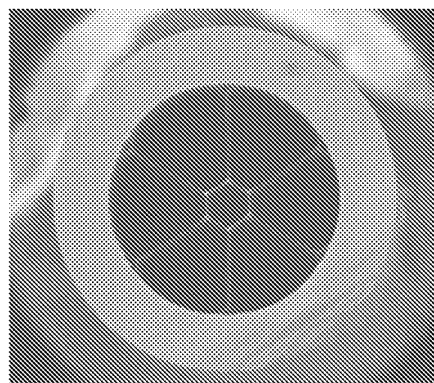
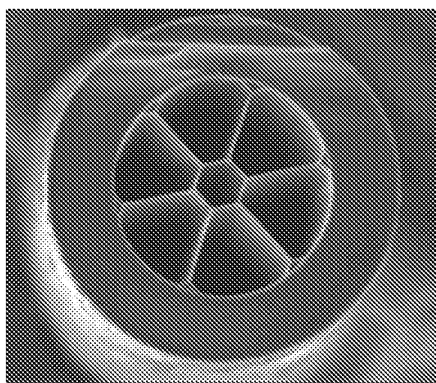


FIG. 12



14/37

FIG. 13

$D_{\text{fibre}} \sim 295 \mu\text{m}$
 $D_{\text{core}} \sim 40 \mu\text{m}$
 $T_{\text{core}} \sim 400 \text{ nm}$

$D_{\text{fibre}} \sim 390 \mu\text{m}$
 $D_{\text{core}} \sim 50 \mu\text{m}$
 $T_{\text{core}} \sim 500 \text{ nm}$

FIG. 14

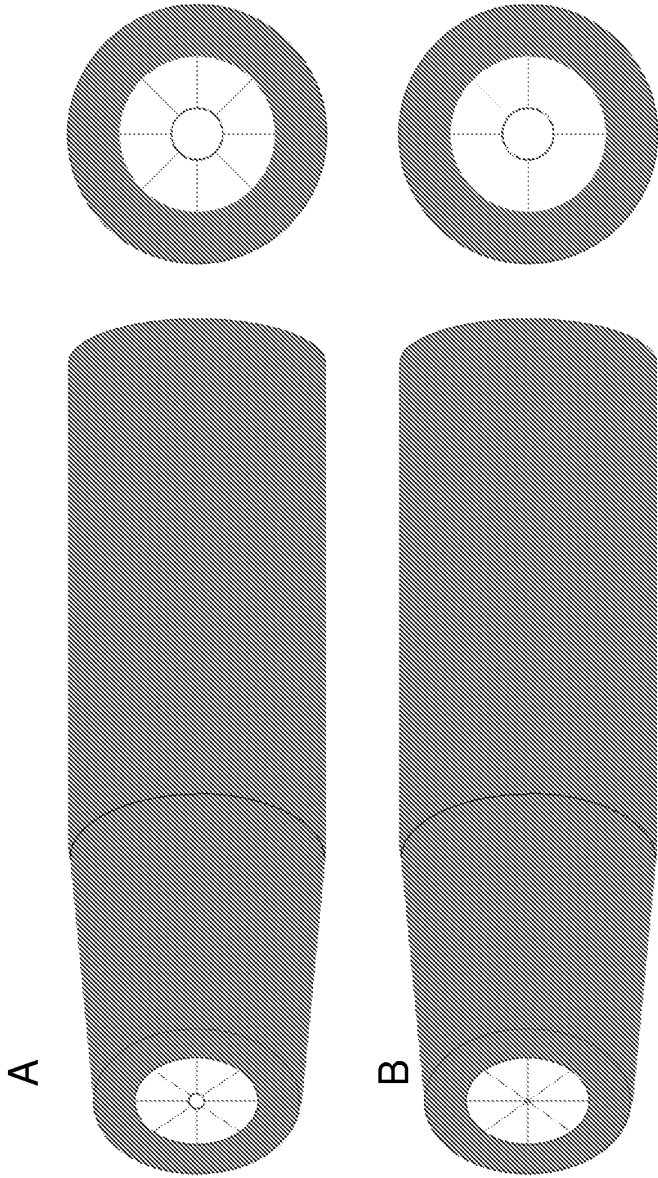


FIG. 15

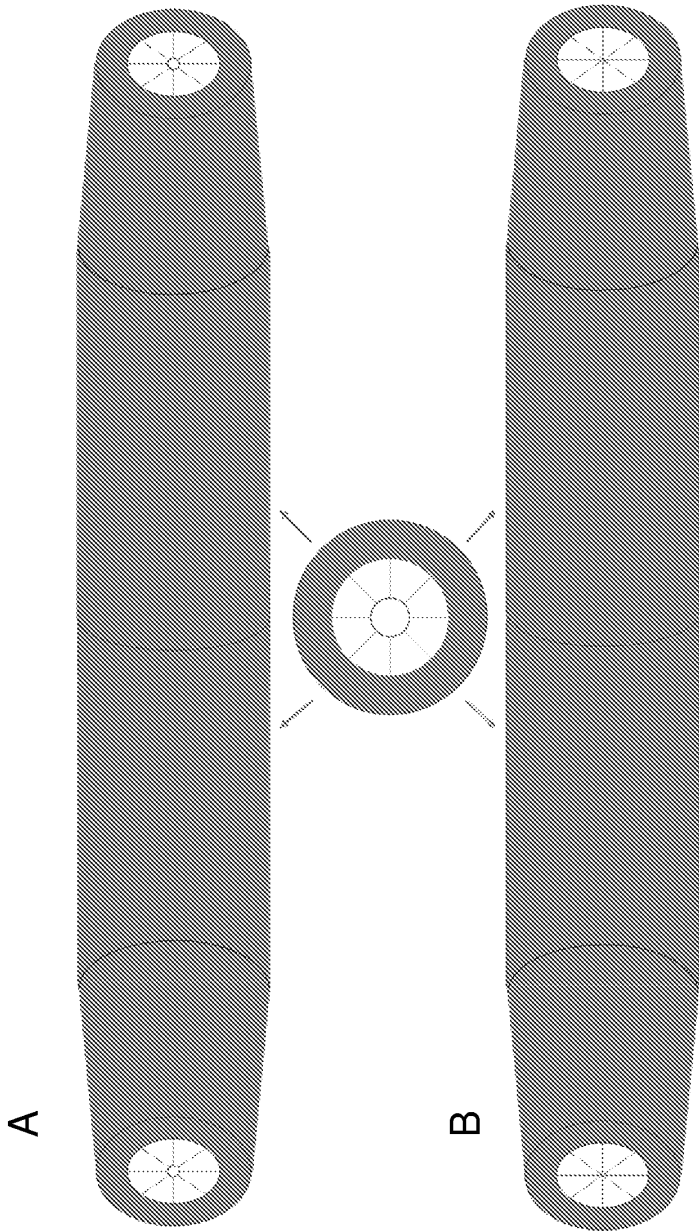


FIG. 16

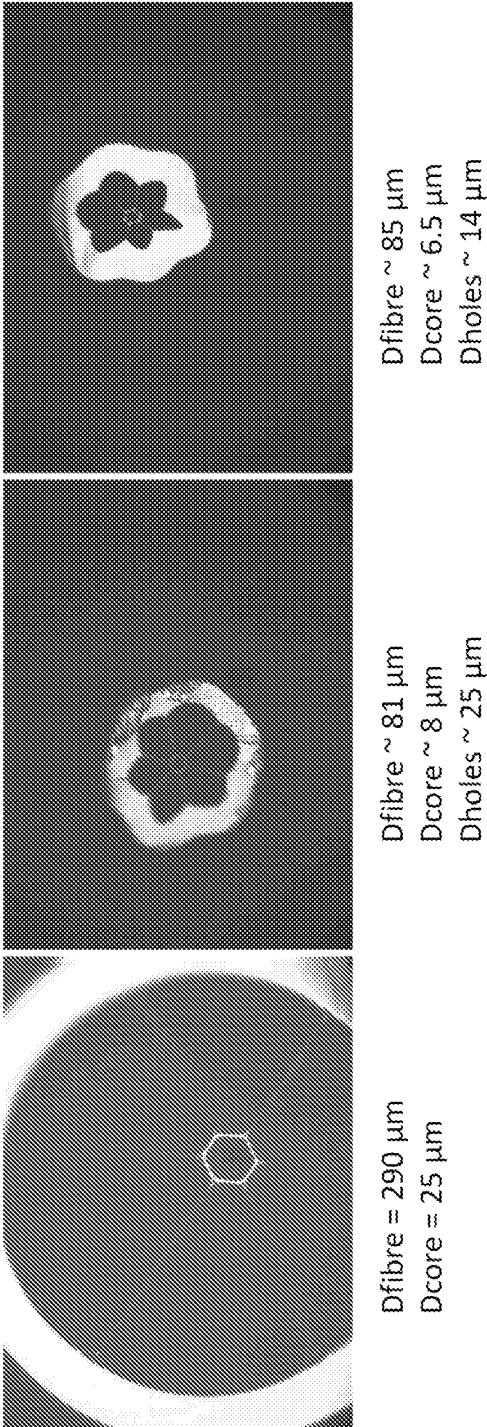


FIG. 17A
785nm - x50 - 2nd cleave - Laser power: 1%

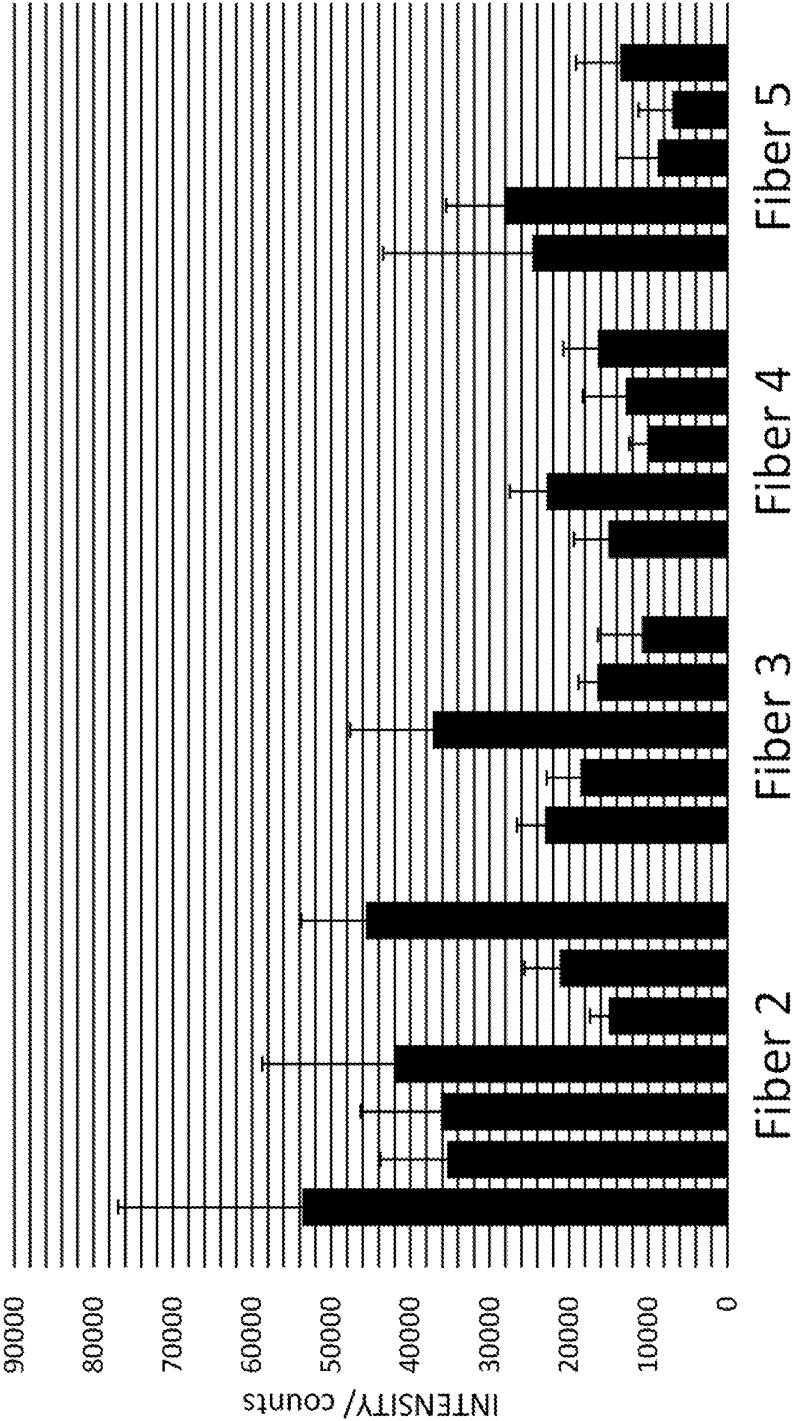
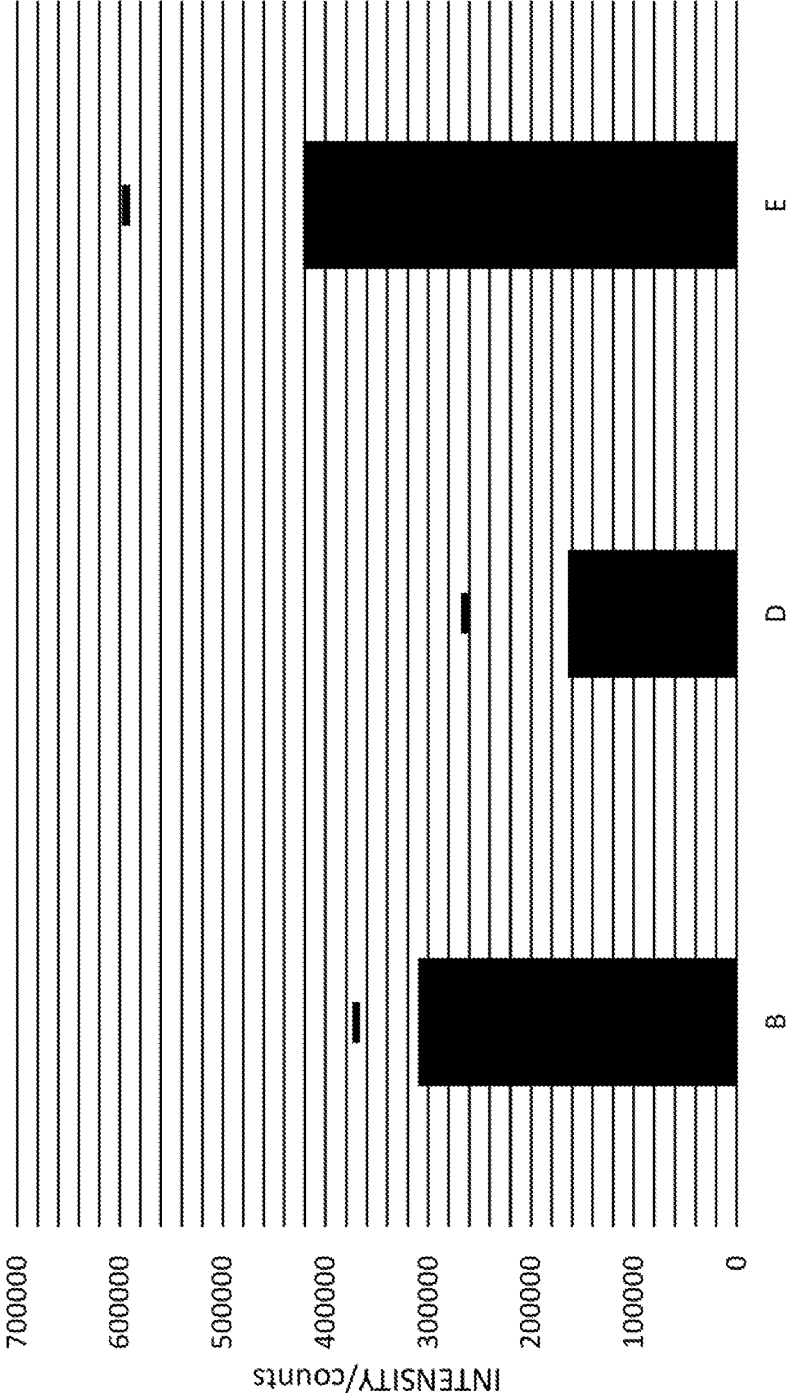


FIG. 17B
785nm - x50 - 2nd cleave - Laser power: 1%



20/37

FIG. 18

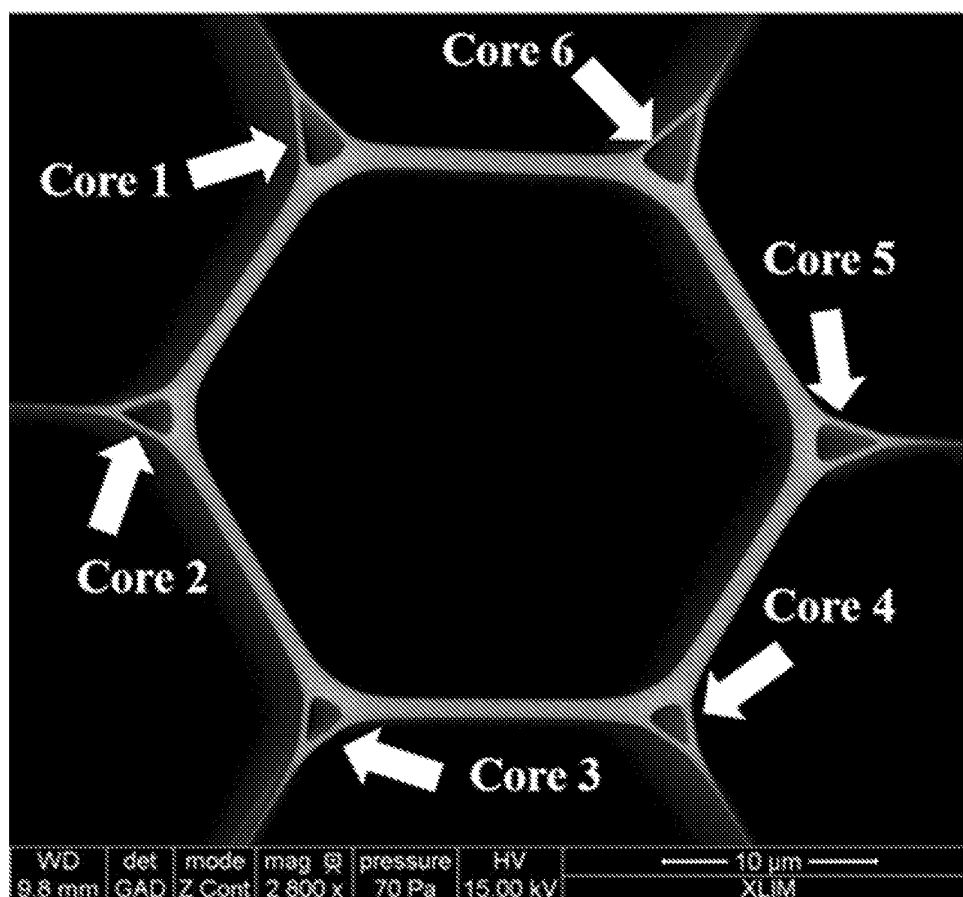


FIG. 19A
20X objective

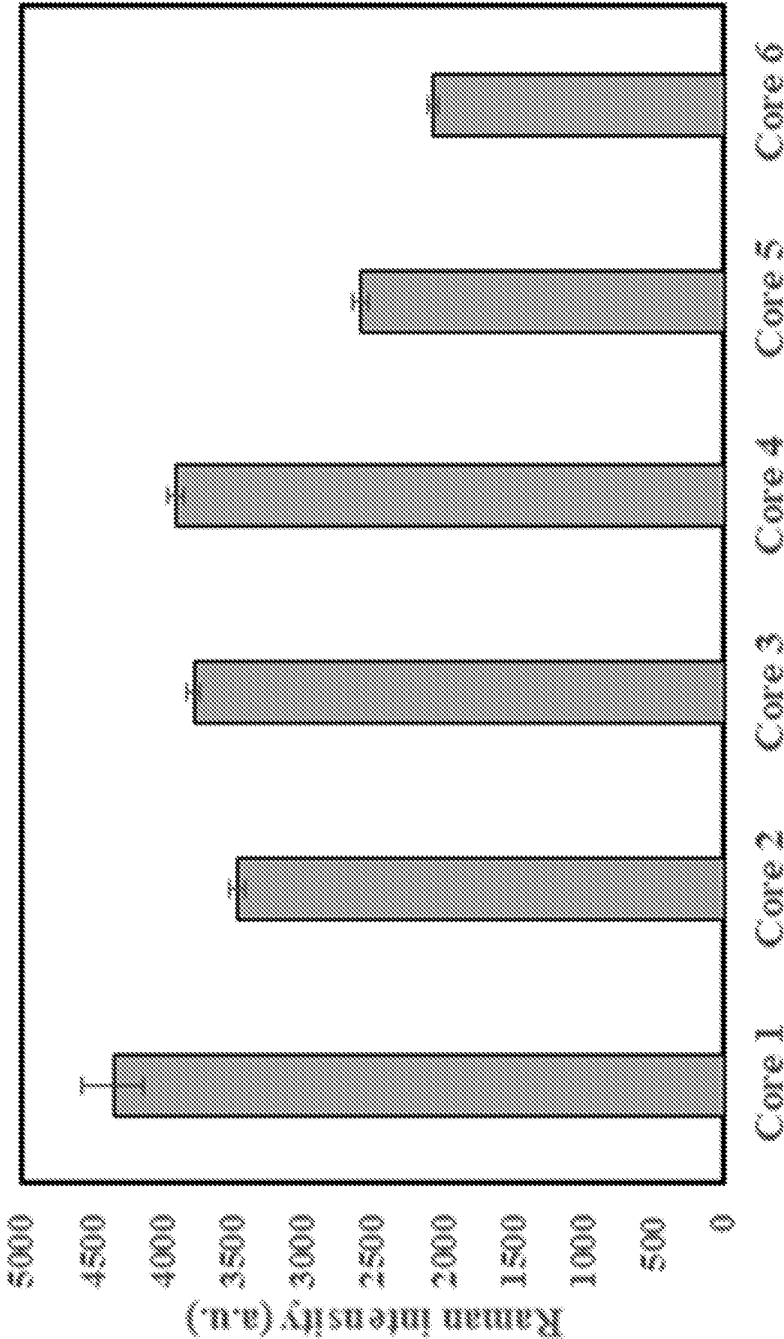
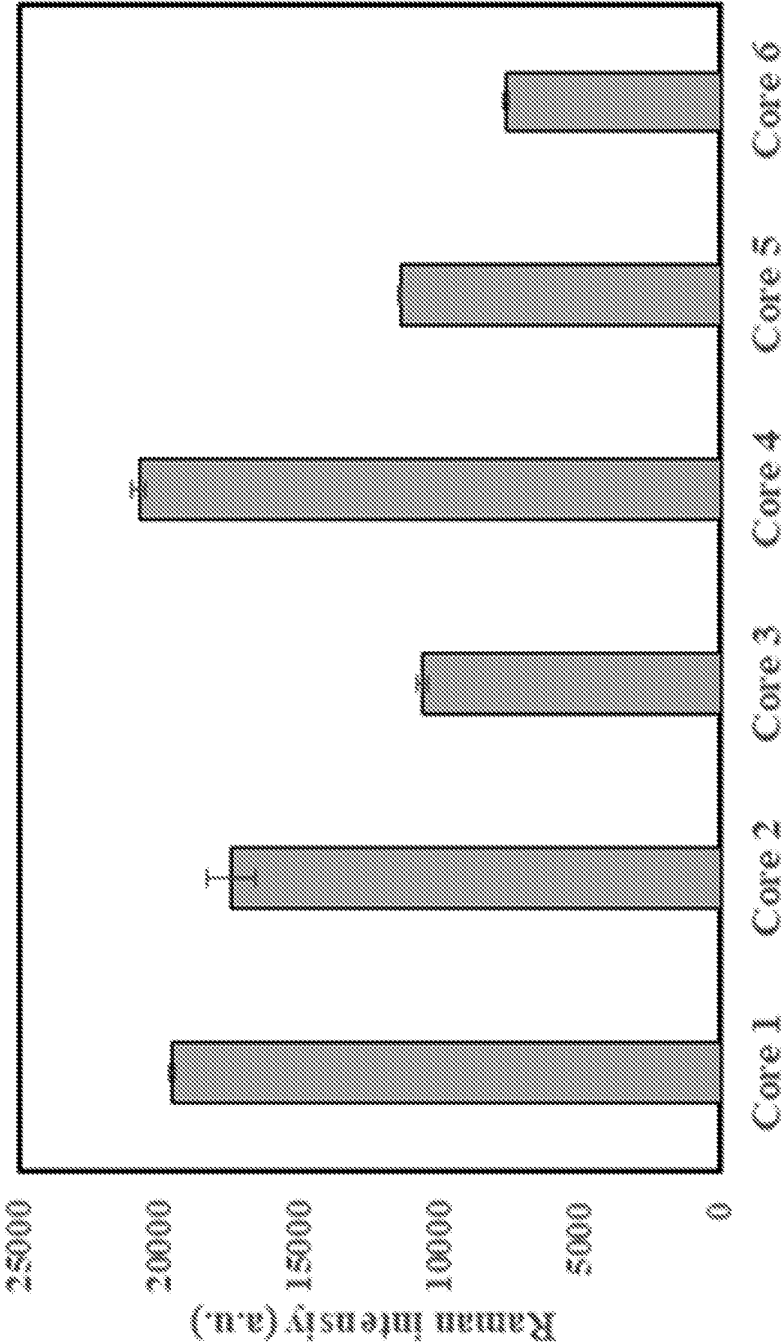


FIG. 19B
50X objective



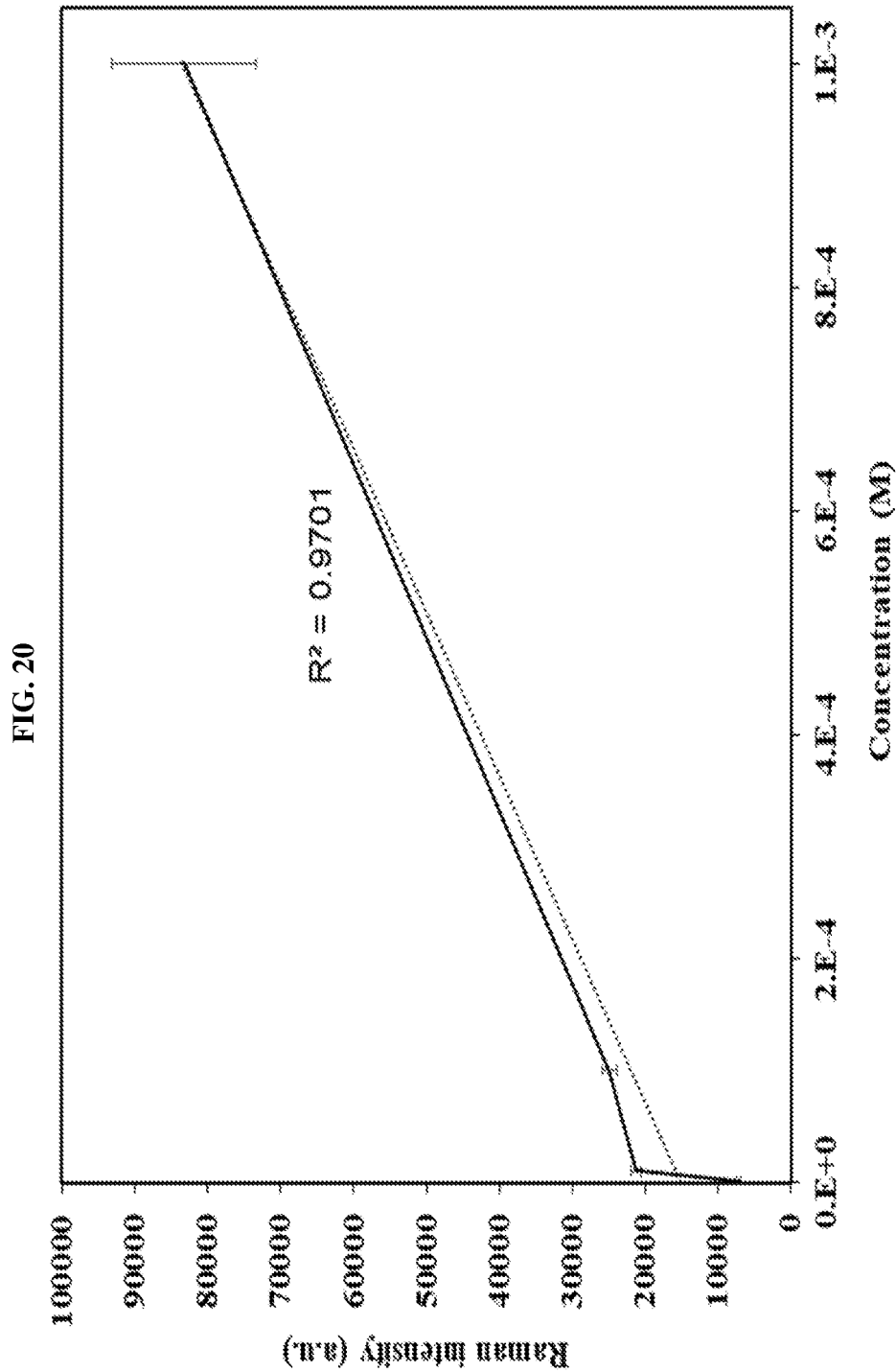
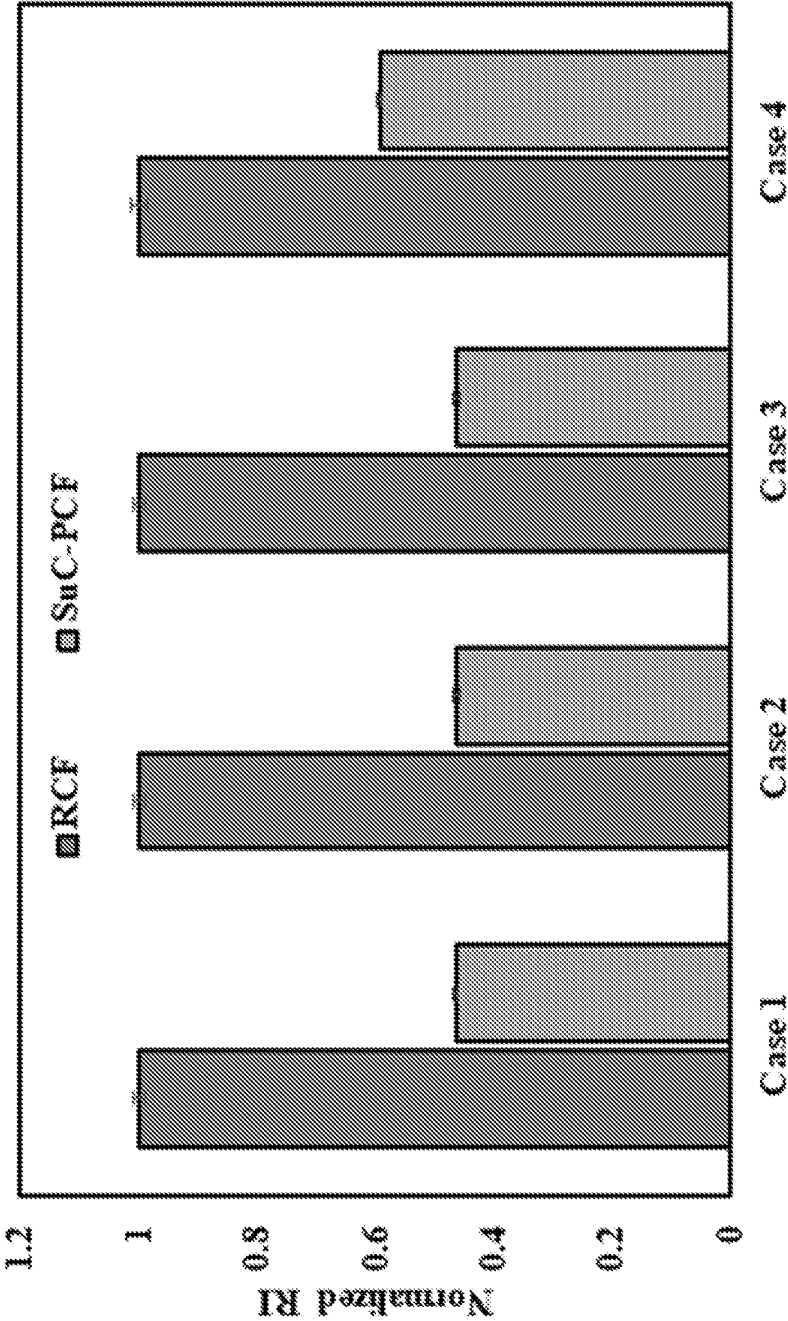
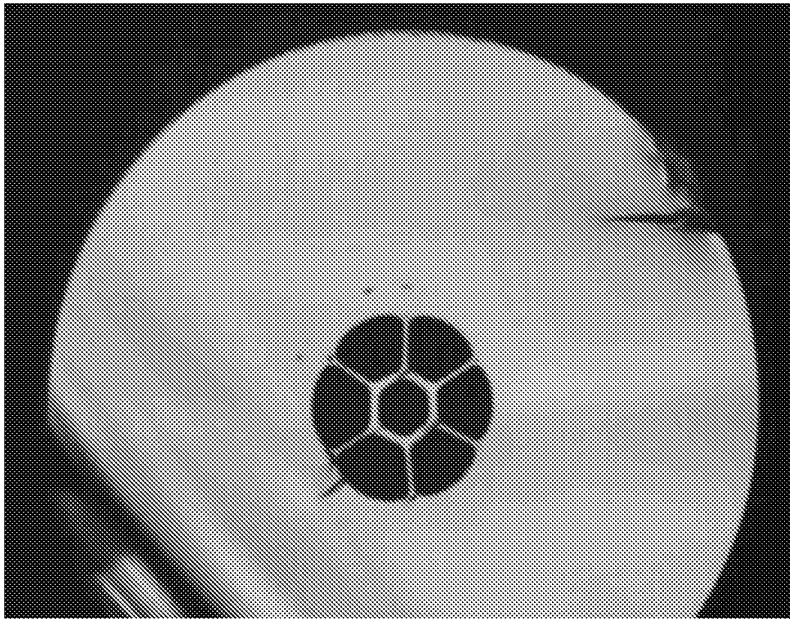


FIG. 21

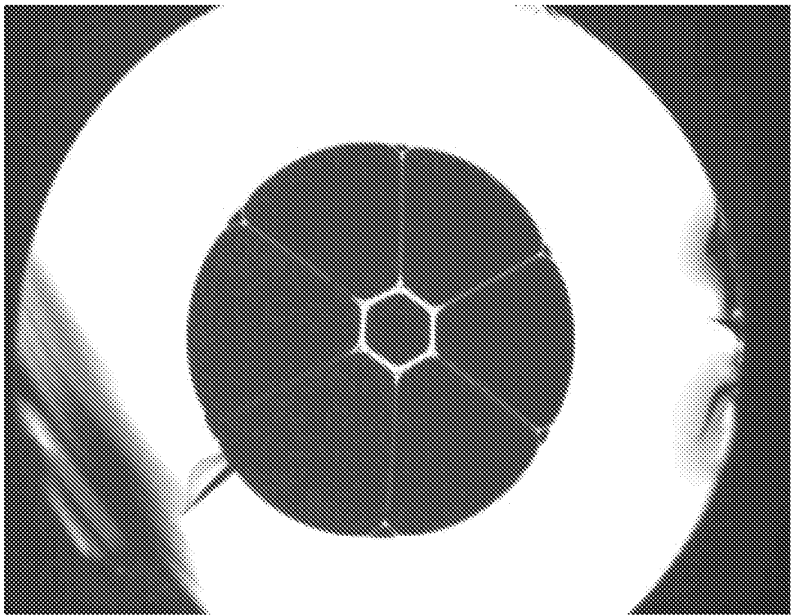


25/37
FIG. 22A



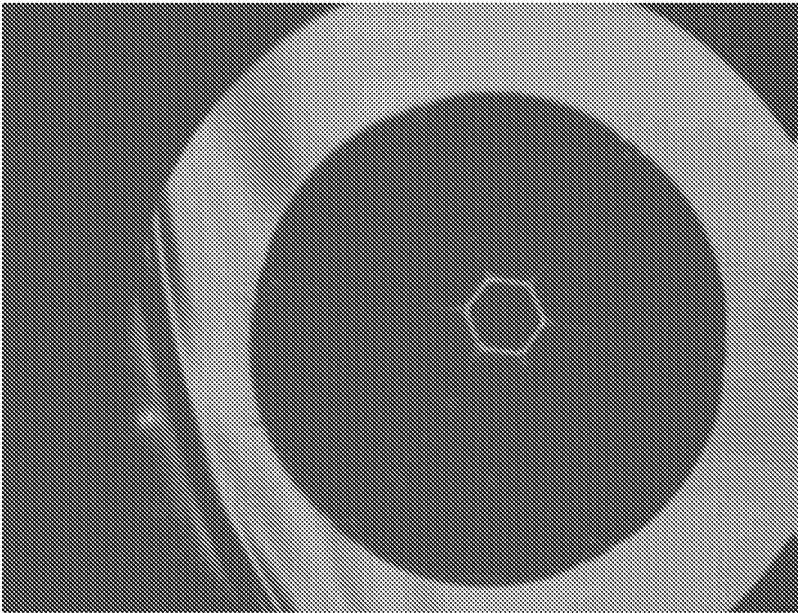
Fiber	Outside diameter (μm)	Ring diameter (μm)	Core thickness (μm)
1	290	20.5	3.5

26/37
FIG. 22B



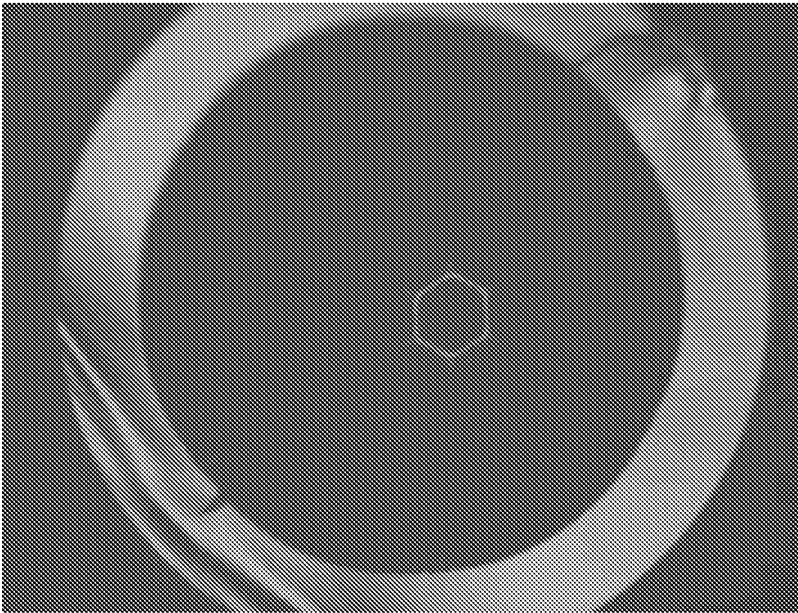
Fiber	Outside diameter (μm)	Ring diameter (μm)	Core thickness (μm)
2	290	26.5	1.8

FIG. 22C



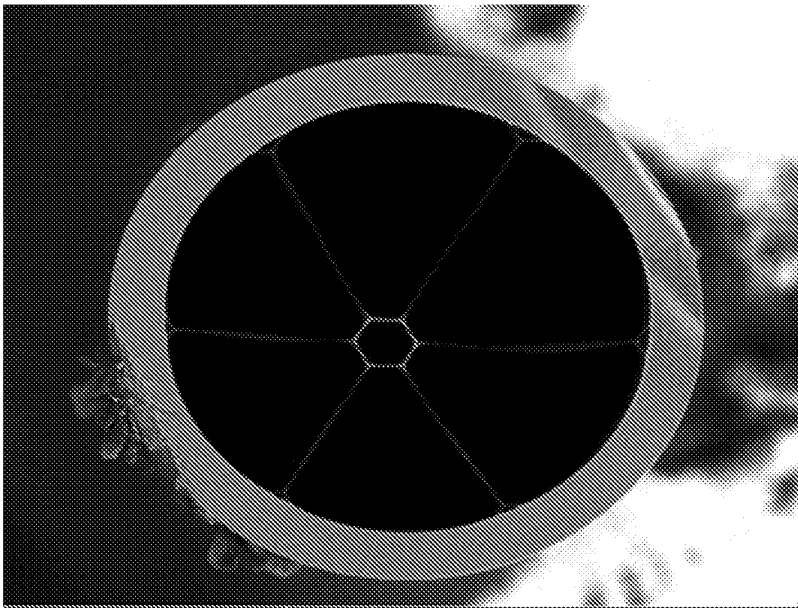
Fiber	Outside diameter (μm)	Ring diameter (μm)	Core thickness (μm)
3	290	27	1.6

FIG. 22D



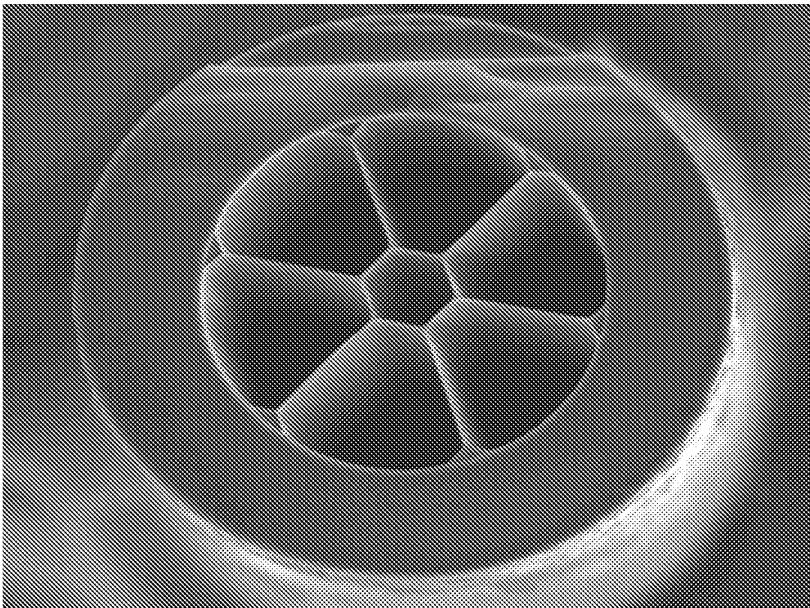
Fiber	Outside diameter (μm)	Ring diameter (μm)	Core thickness (μm)
4	290	29	1.1

FIG. 22E



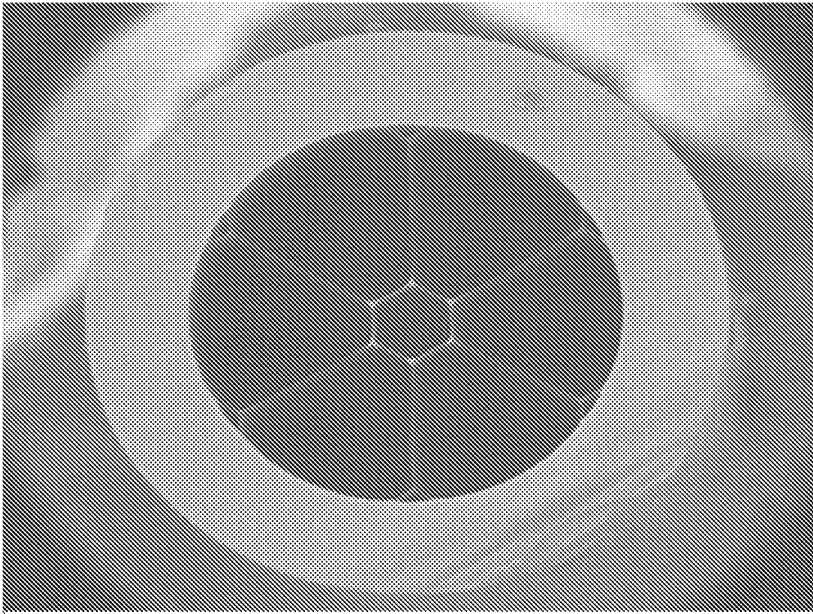
Fiber	Outside diameter (μm)	Ring diameter (μm)	Core thickness (μm)
5	290	27	0.94

FIG. 22F



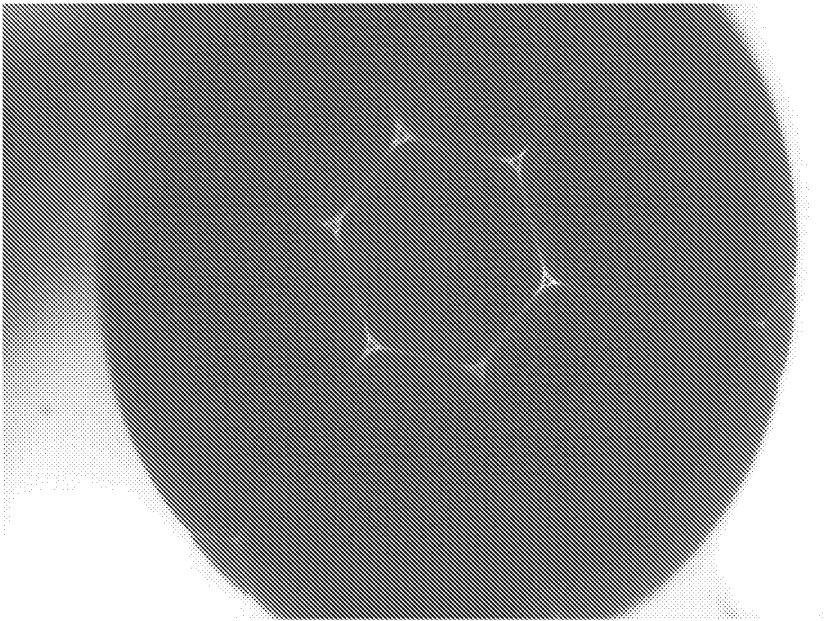
Fiber	Outside diameter (μm)	Ring diameter (μm)	Core thickness (μm)
6	297	40	0.4

FIG. 22G



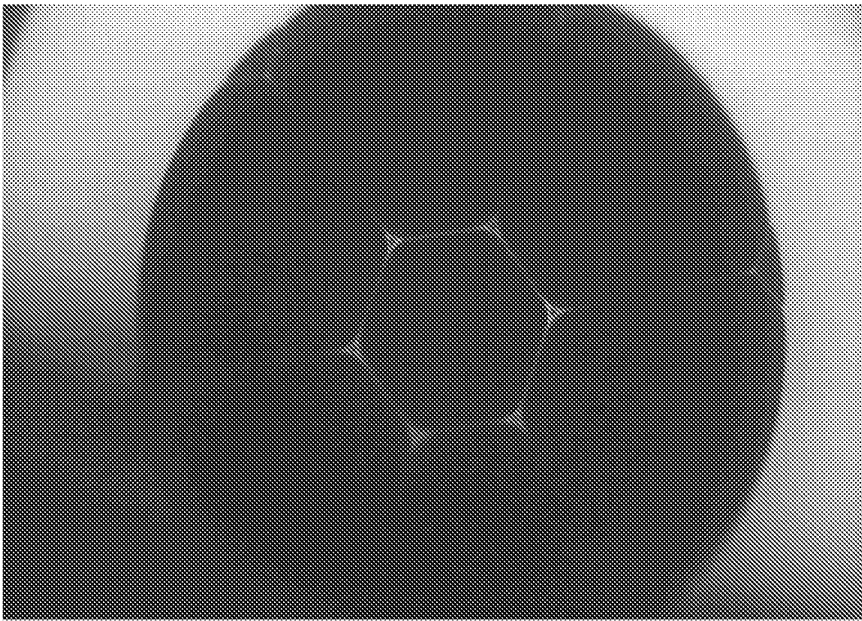
Fiber	Outside diameter (μm)	Ring diameter (μm)	Core thickness (μm)
7	390	49	0.5

FIG. 22H



Fiber	Outside diameter (μm)	Ring diameter (μm)	Core thickness (μm)
8	620	96	0.4

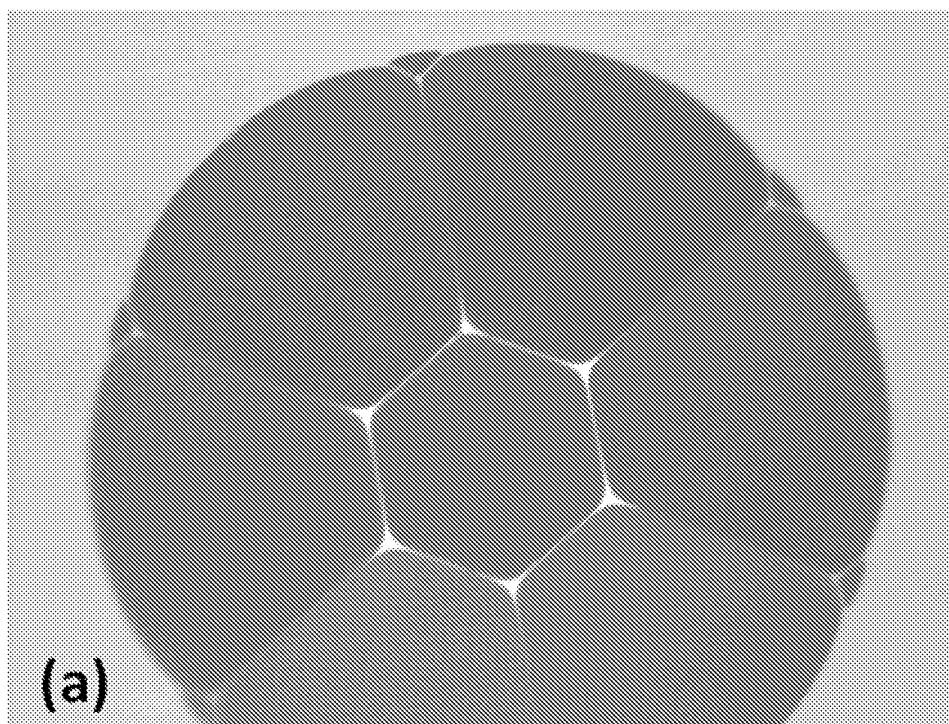
FIG. 22I



Fiber	Outside diameter (μm)	Ring diameter (μm)	Core thickness (μm)
9	580	90	0.6

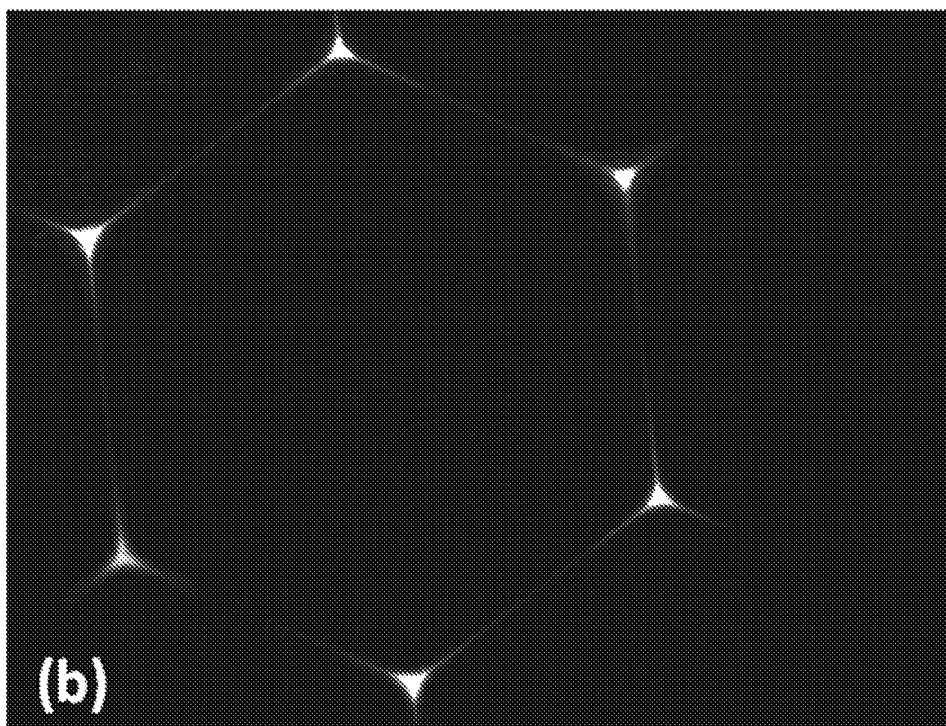
34/37

FIG. 23A



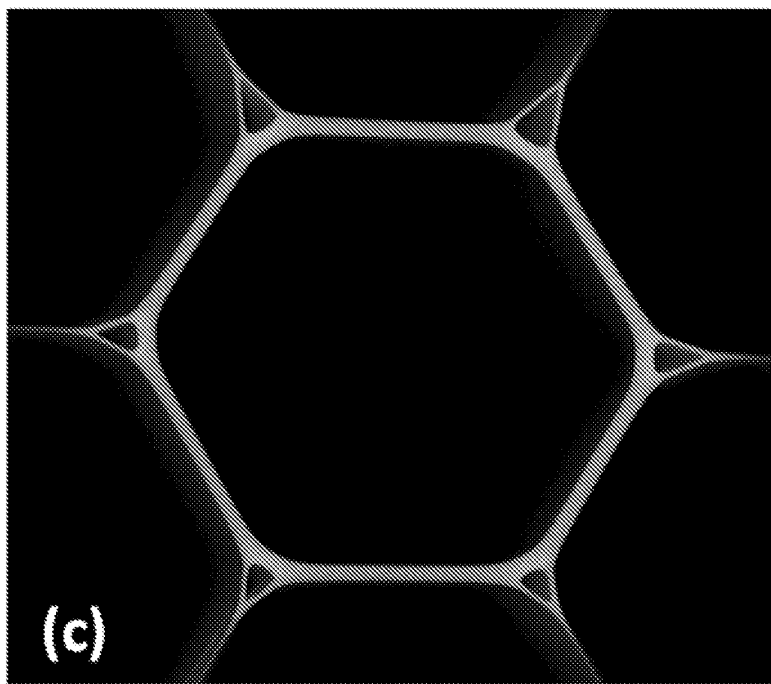
35/37

FIG. 23B



36/37

FIG. 23C



37/37

FIG. 23D

