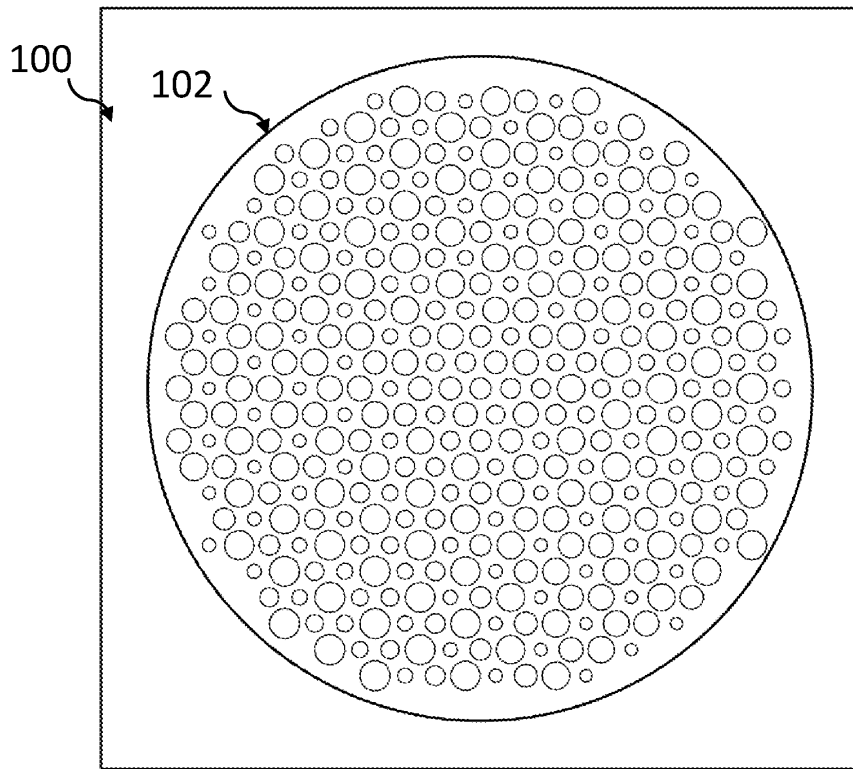


FIG. 1**FIG. 2**

Form a photonic structure configured to generate a laser beam upon electrical pumping of the photonic structure.

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FIG. 3A

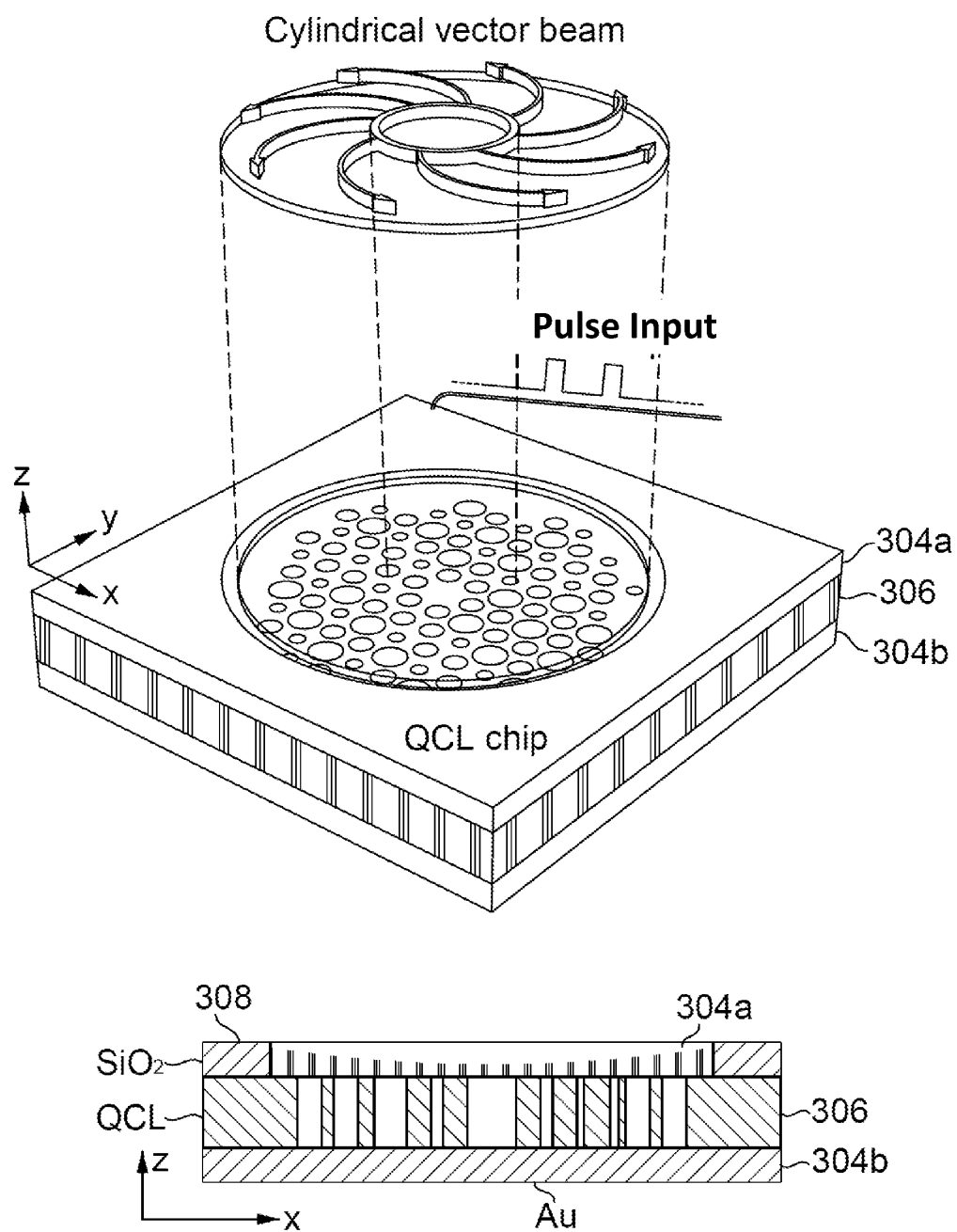


FIG. 3B

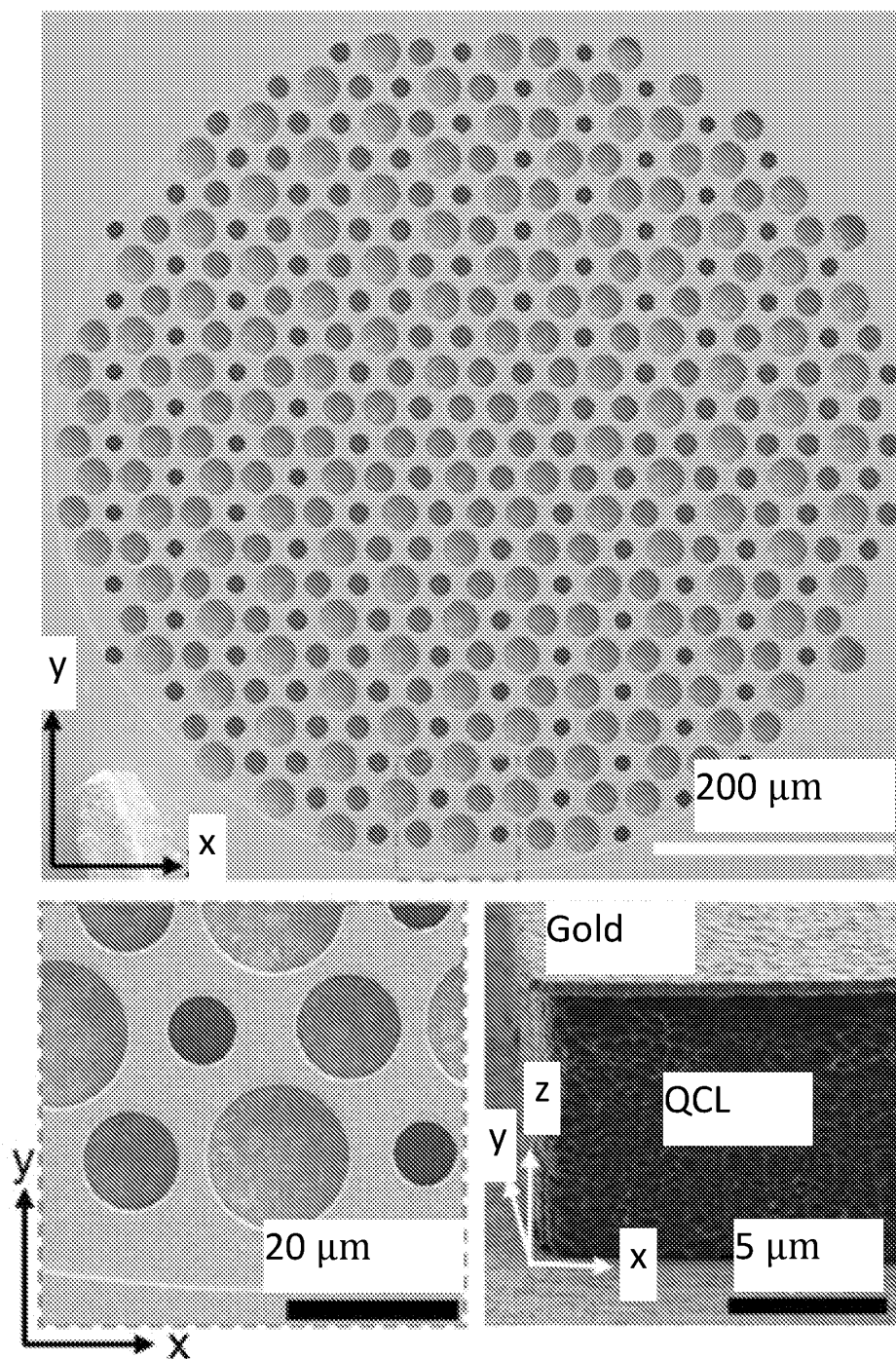


FIG. 4A

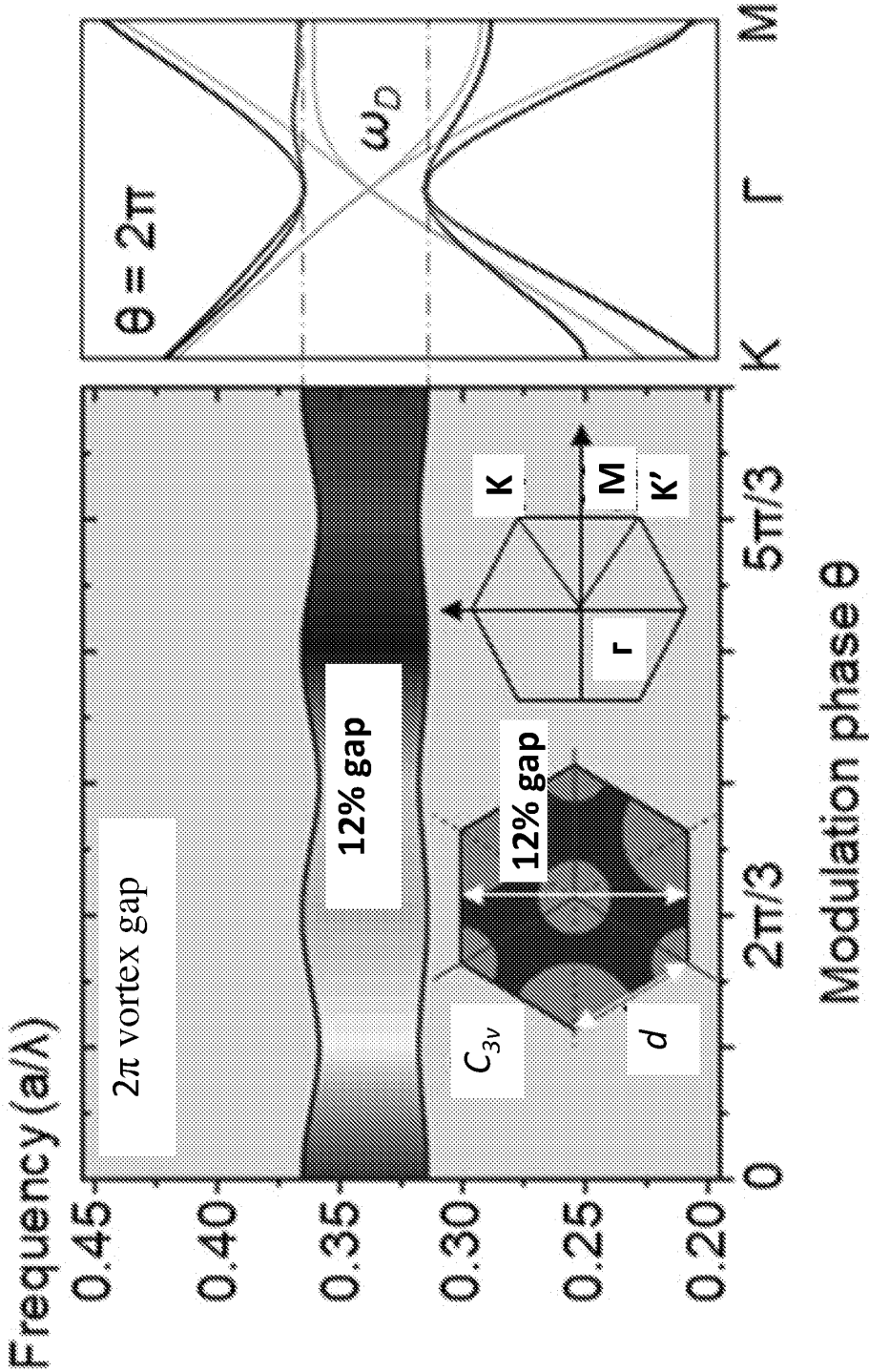


FIG. 4B

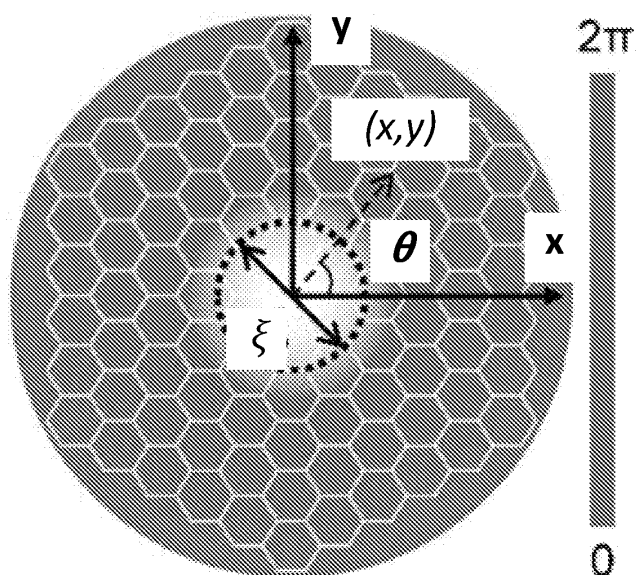


FIG. 4C

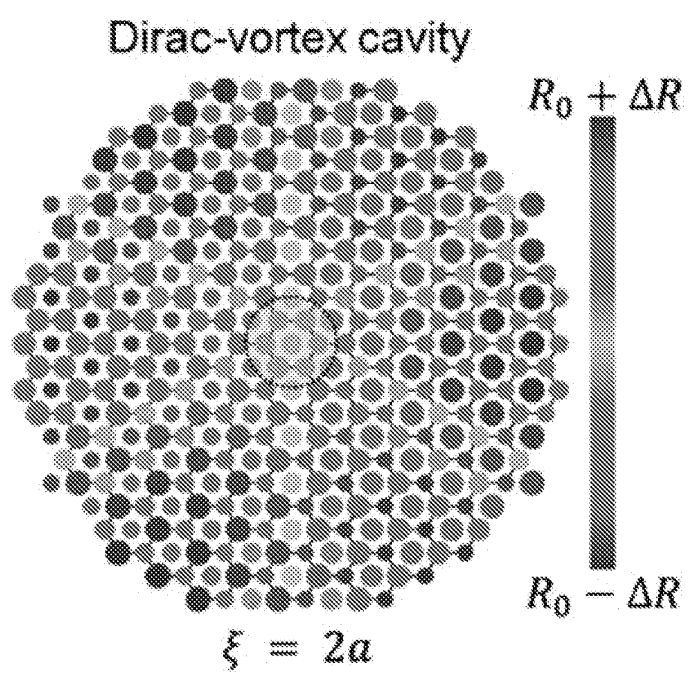


FIG. 4D

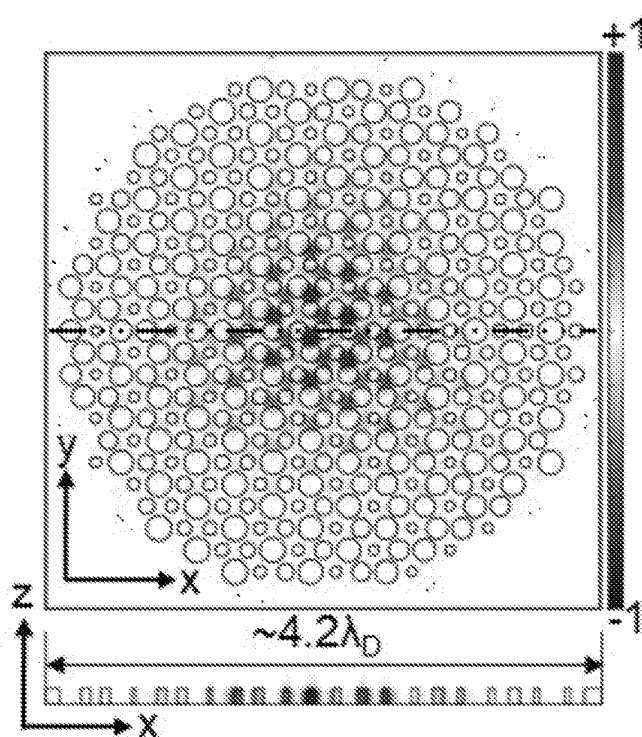


FIG. 4E

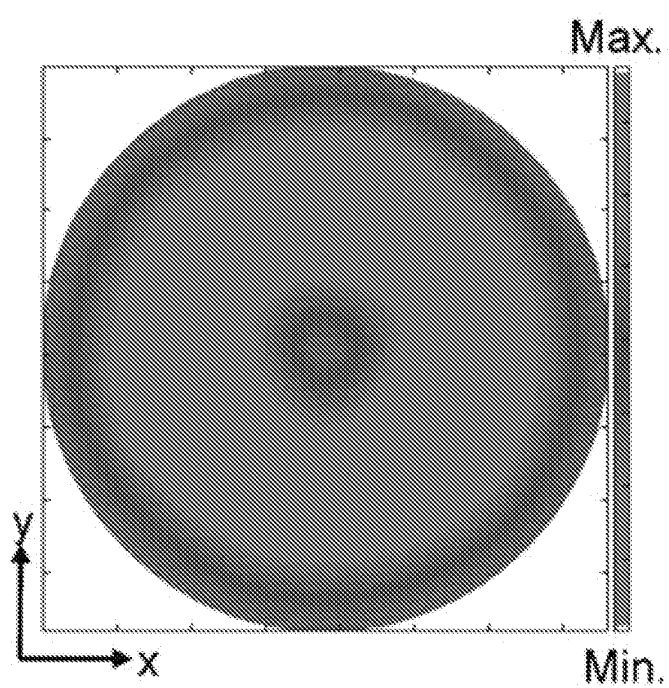


FIG. 5A

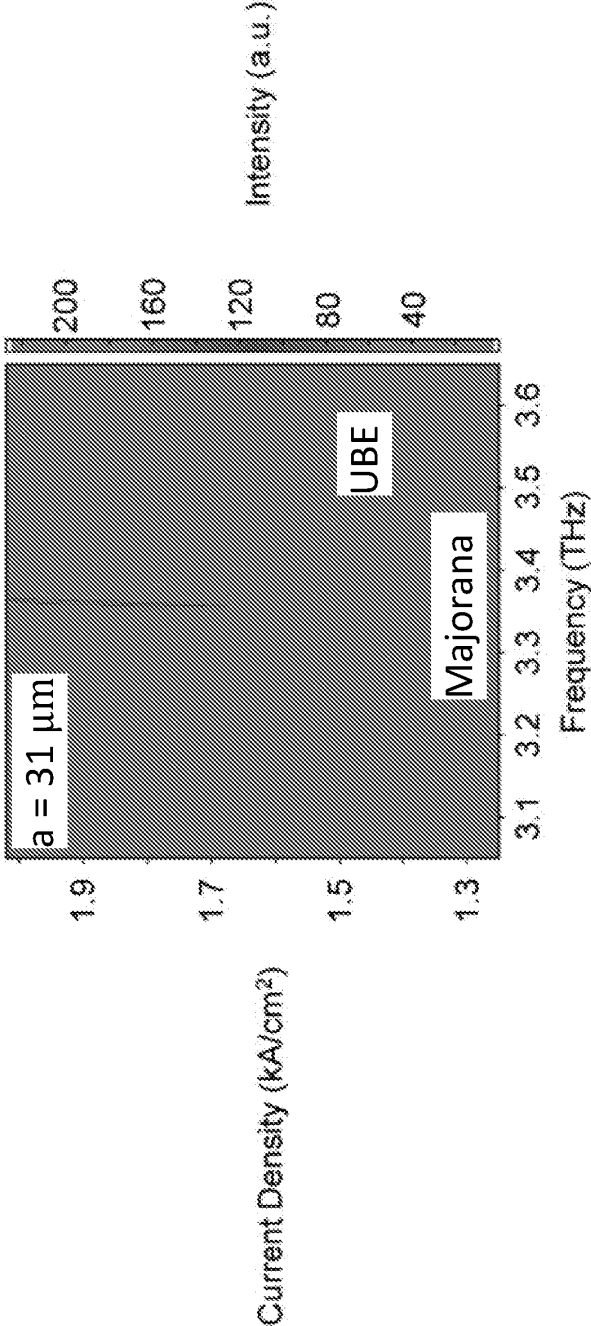


FIG. 5B

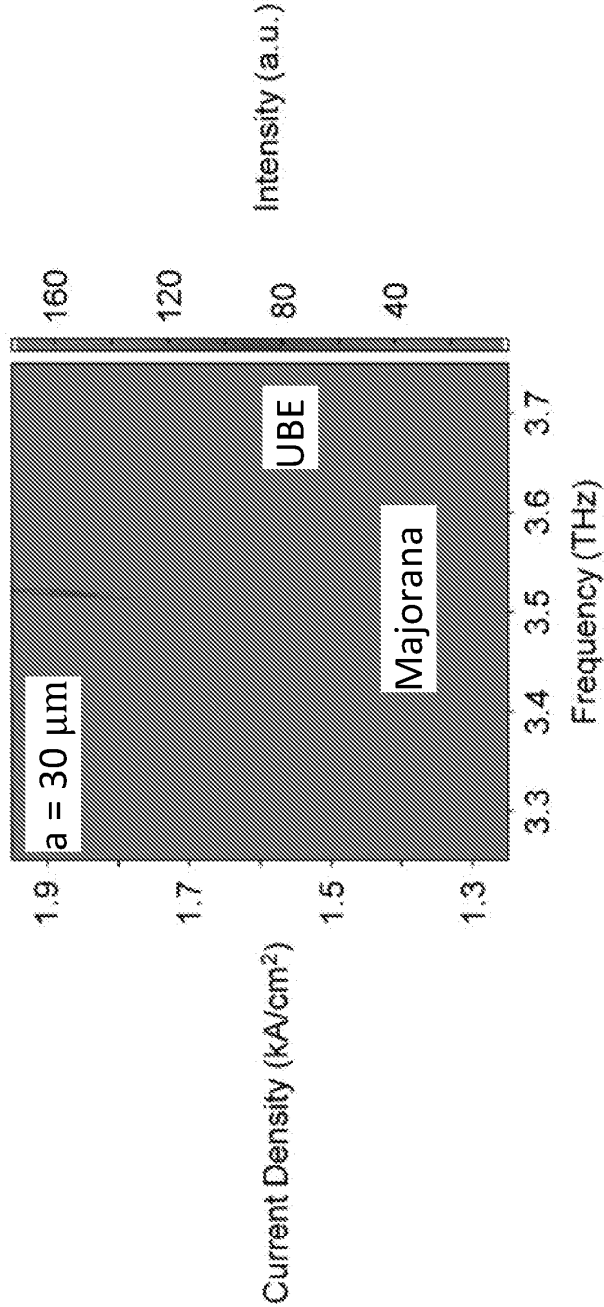


FIG. 5C

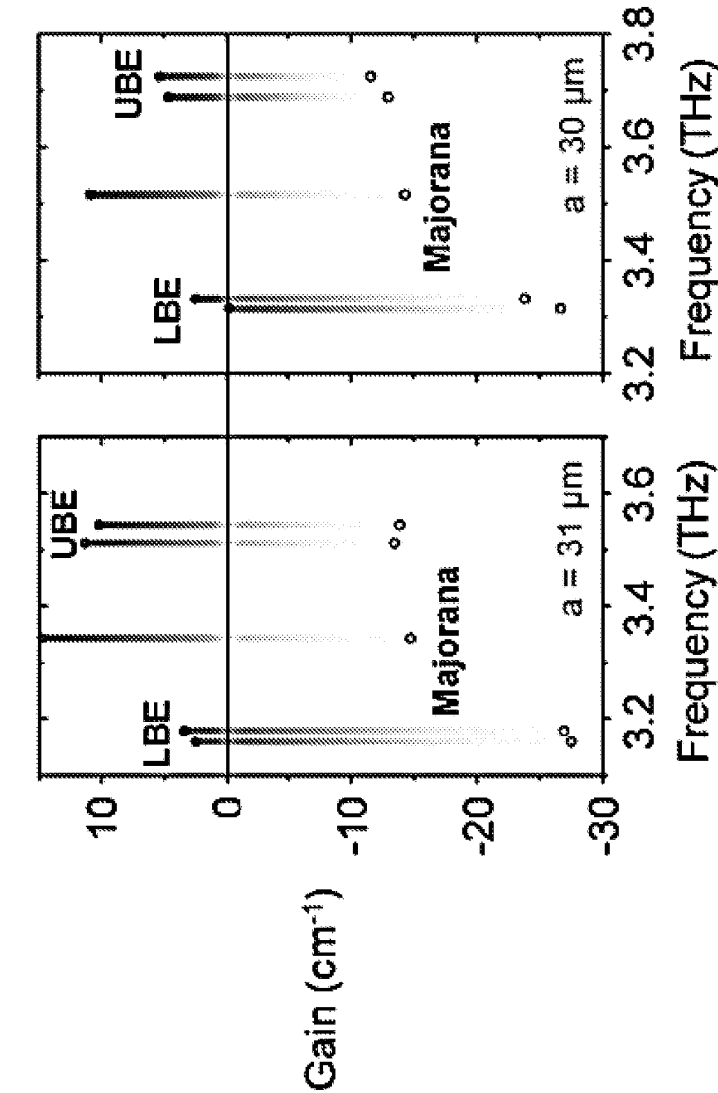


FIG. 5D

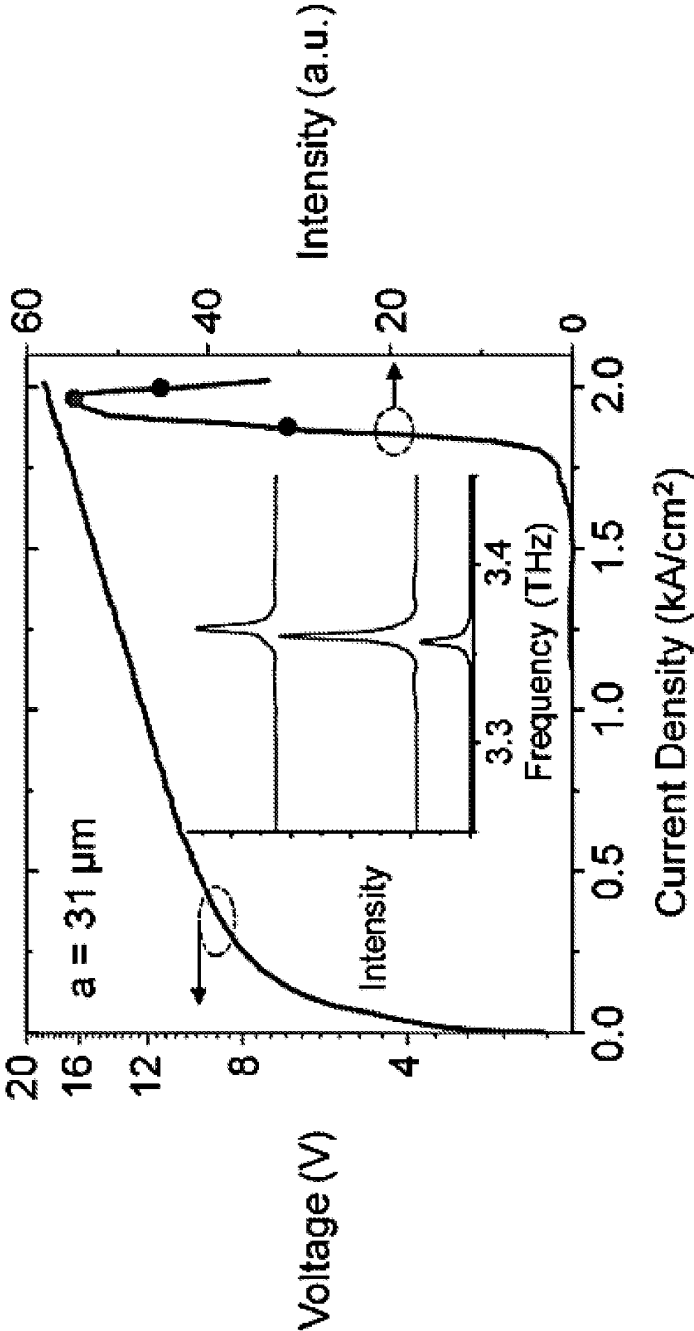


FIG. 6A

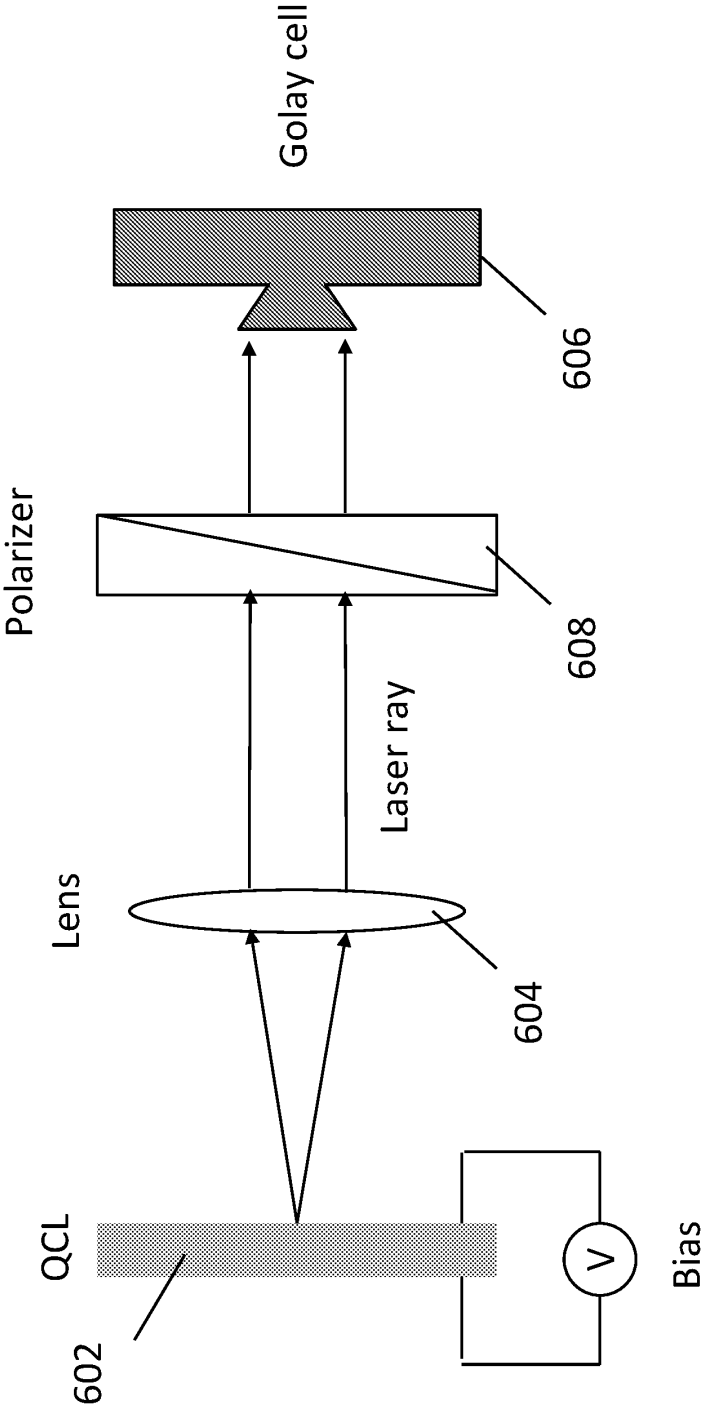


FIG. 6B

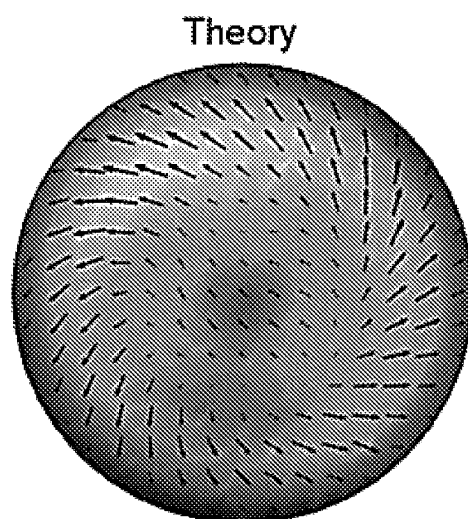


FIG. 6C

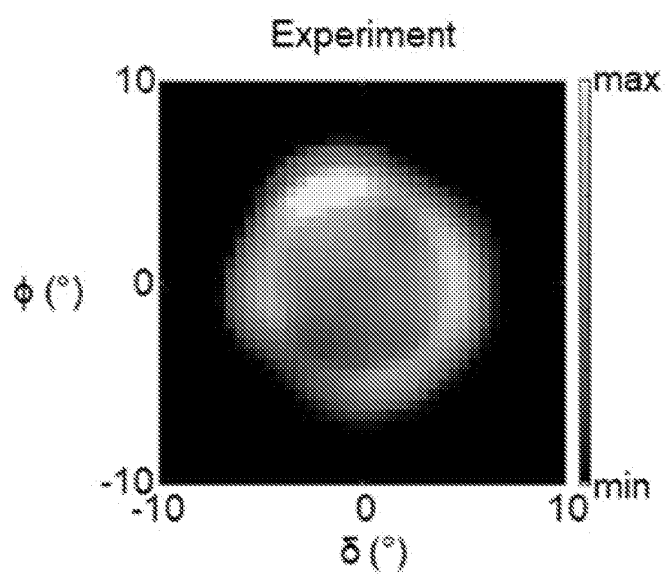


FIG. 6D

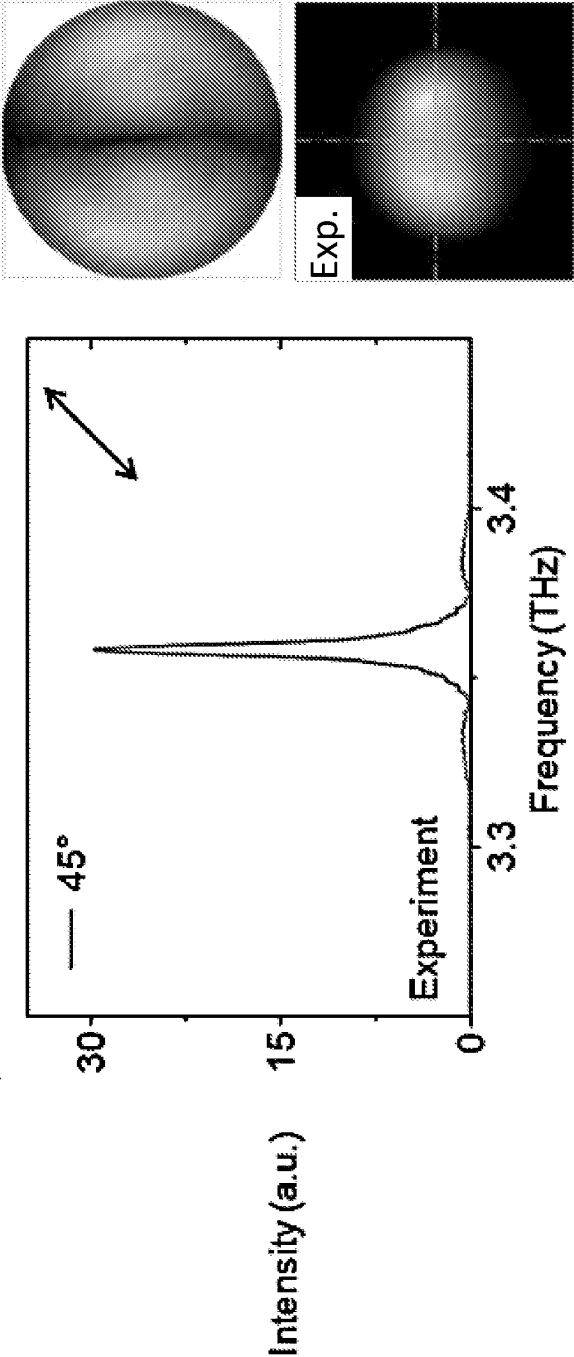


FIG. 6E

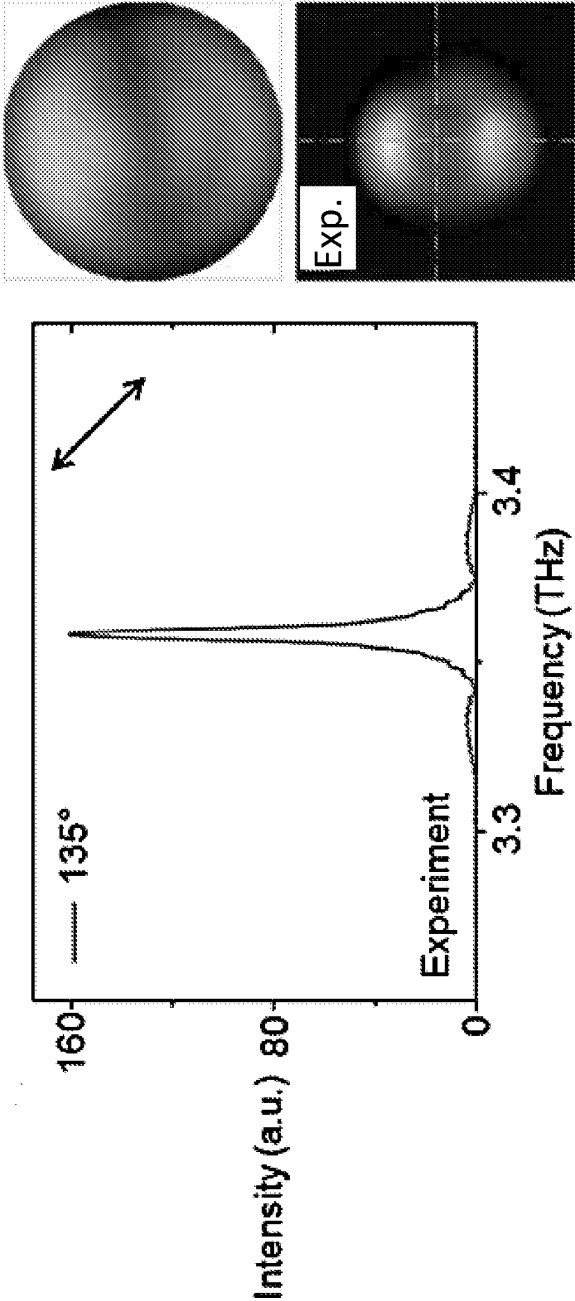
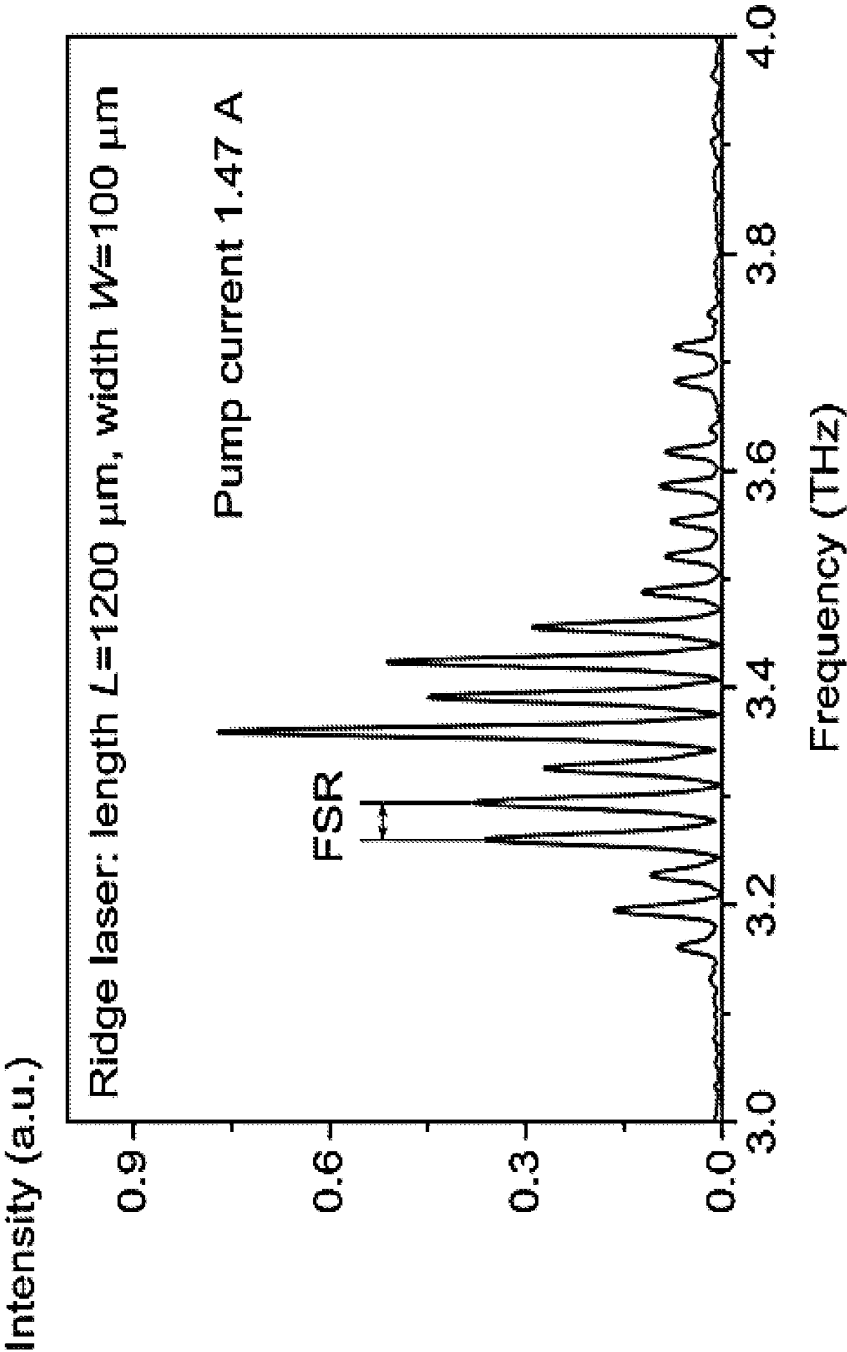
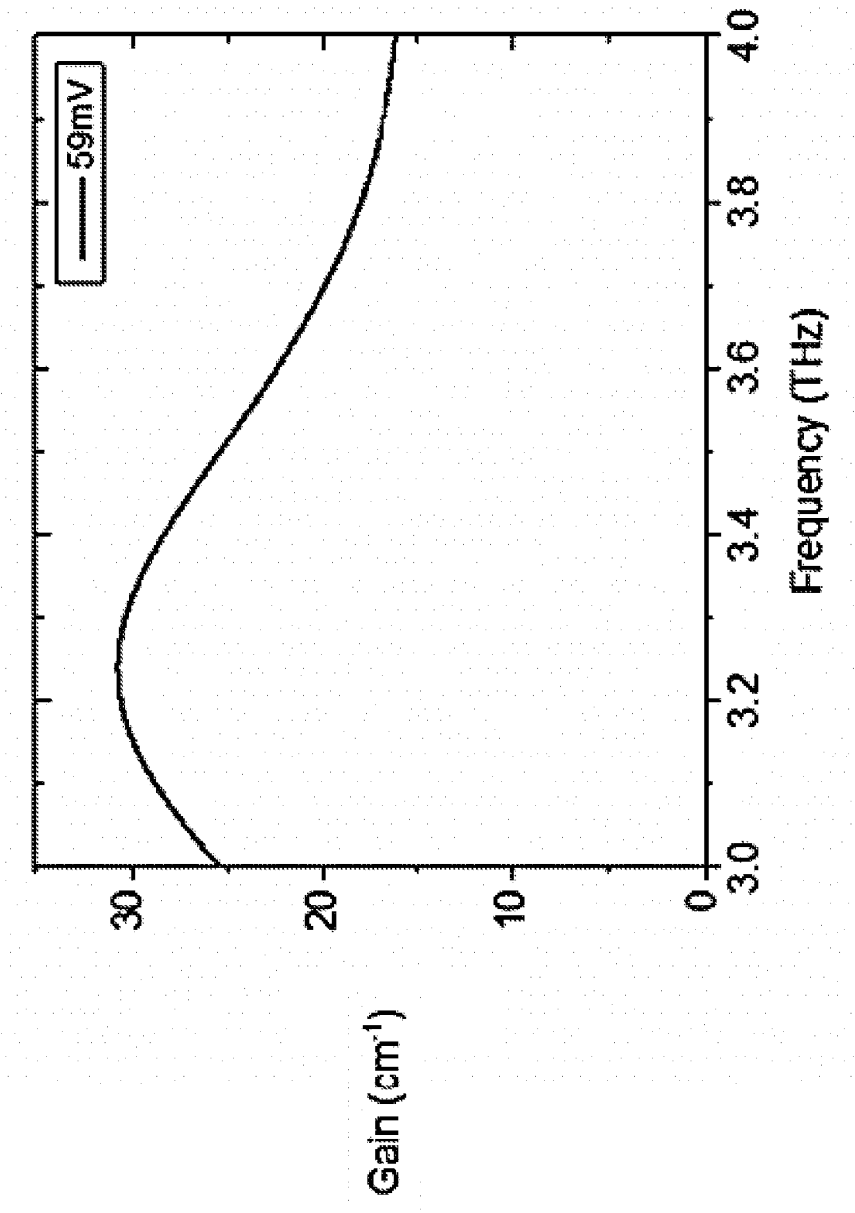


FIG. 7A



PRIOR ART

FIG. 7B



PRIOR ART

FIG. 8

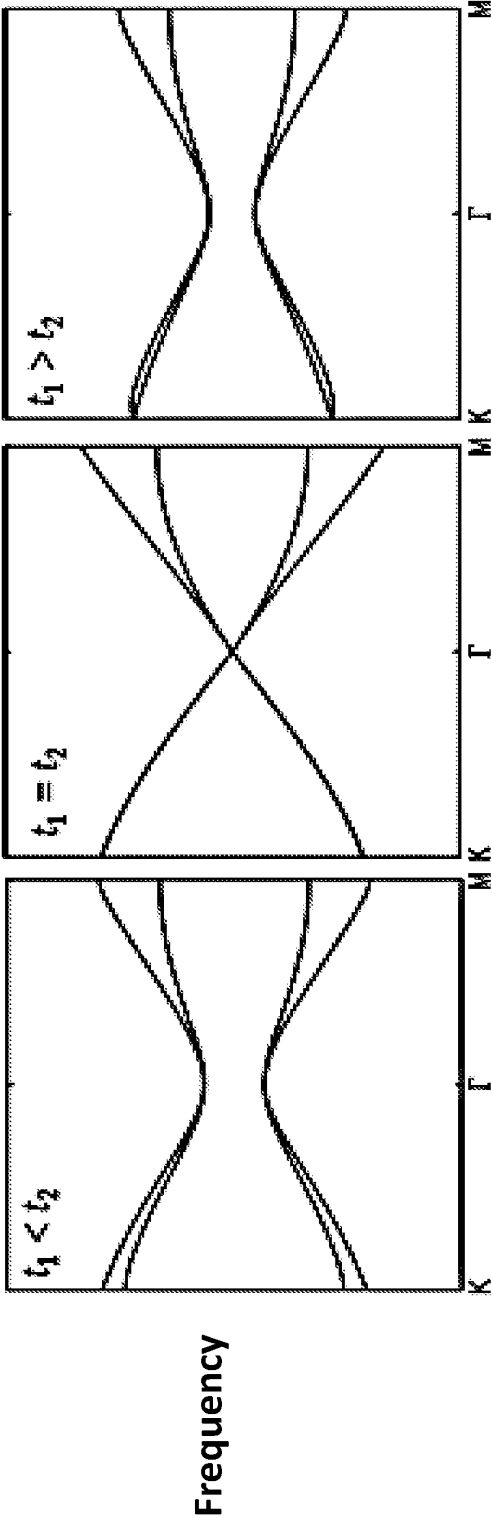


FIG. 9A

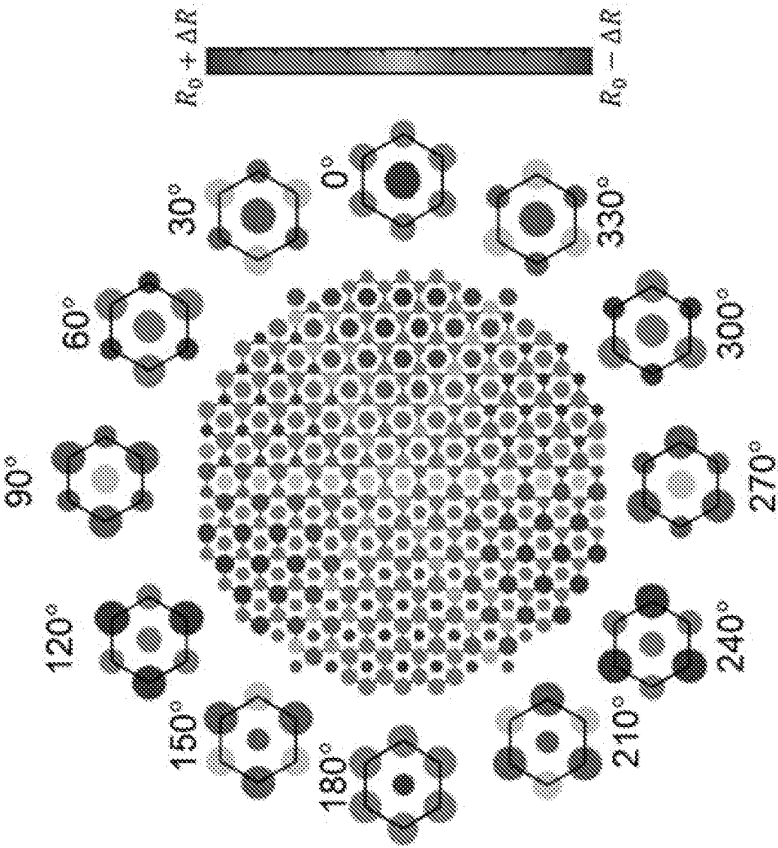


FIG. 9B

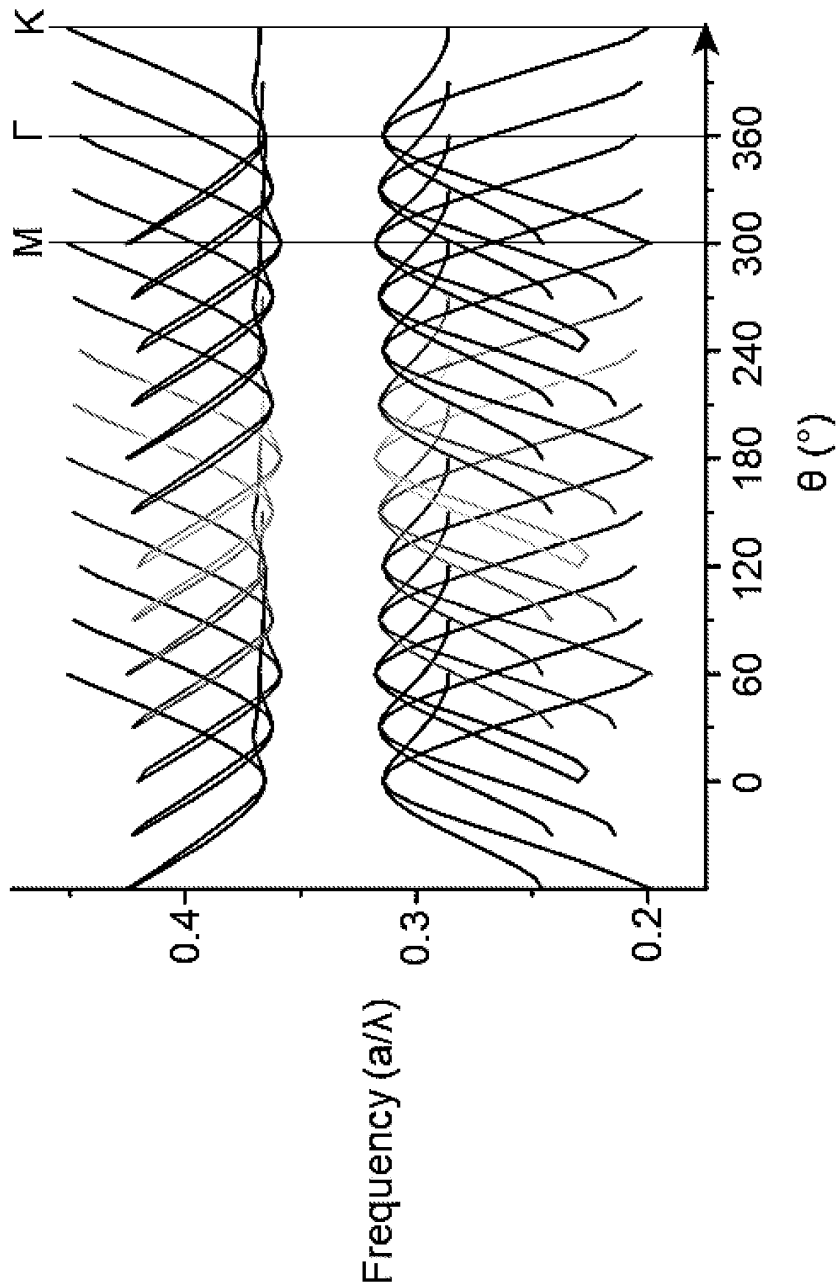


FIG. 10

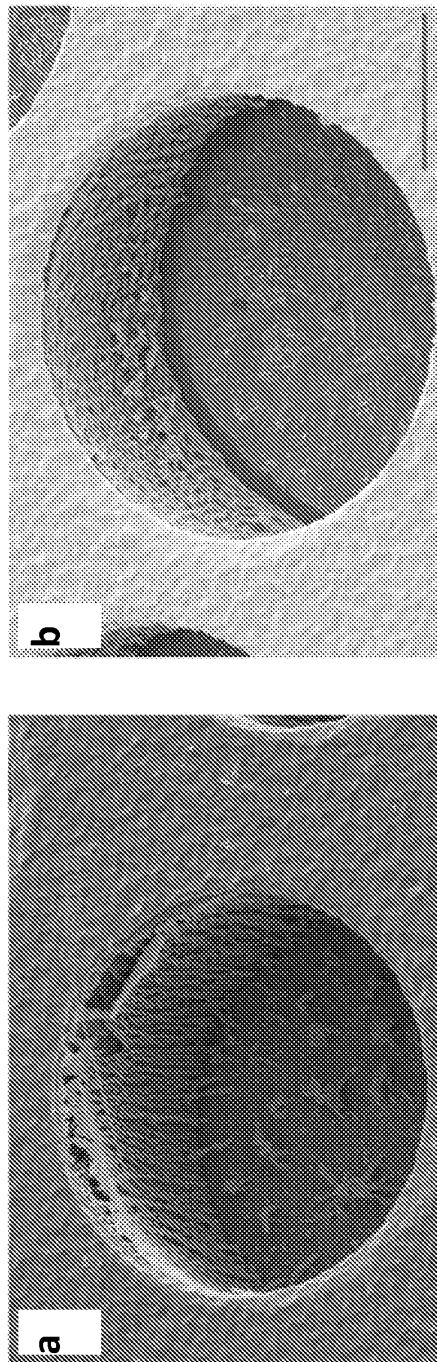


FIG. 11

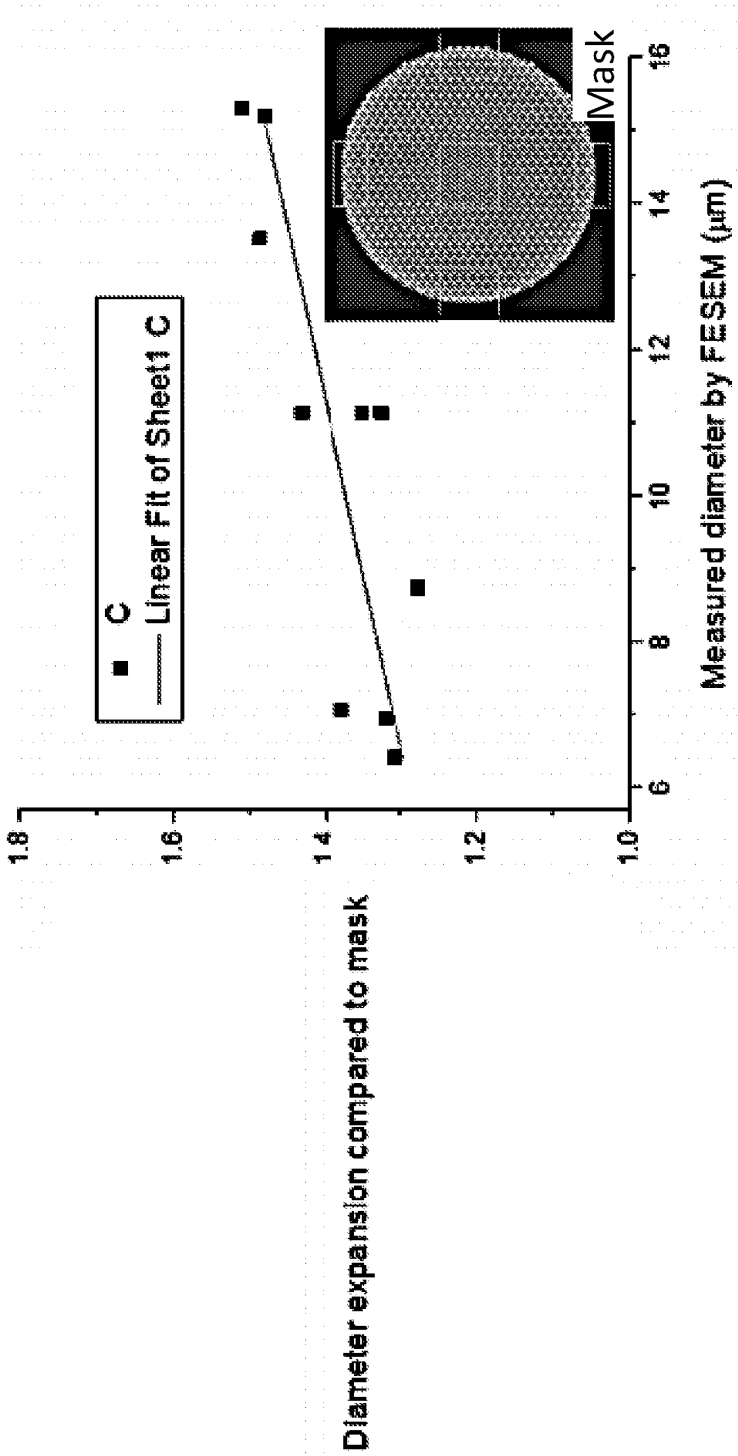


FIG. 12A

$a = 31\text{ }\mu\text{m}$

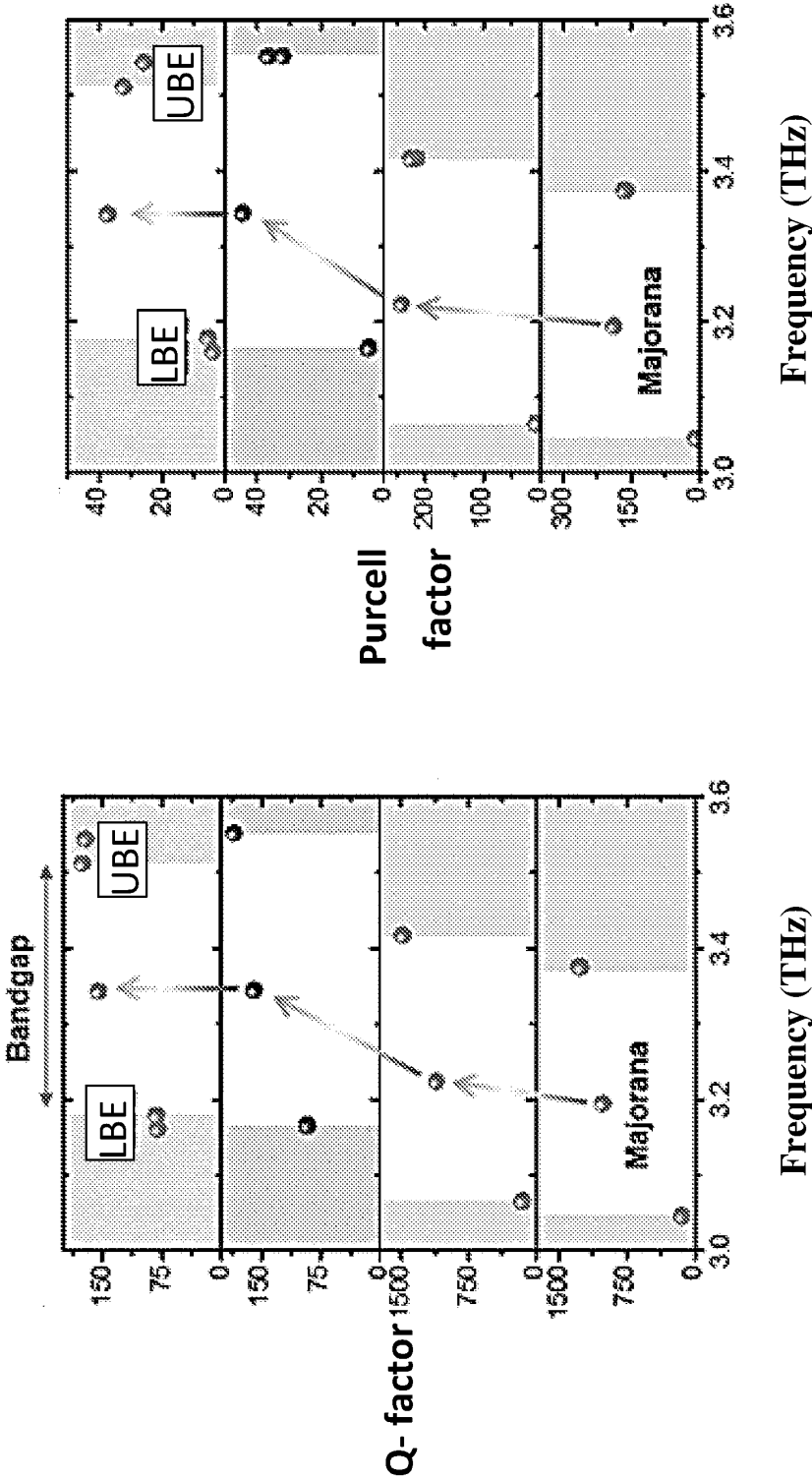


FIG. 12B

$a = 30\text{ }\mu\text{m}$

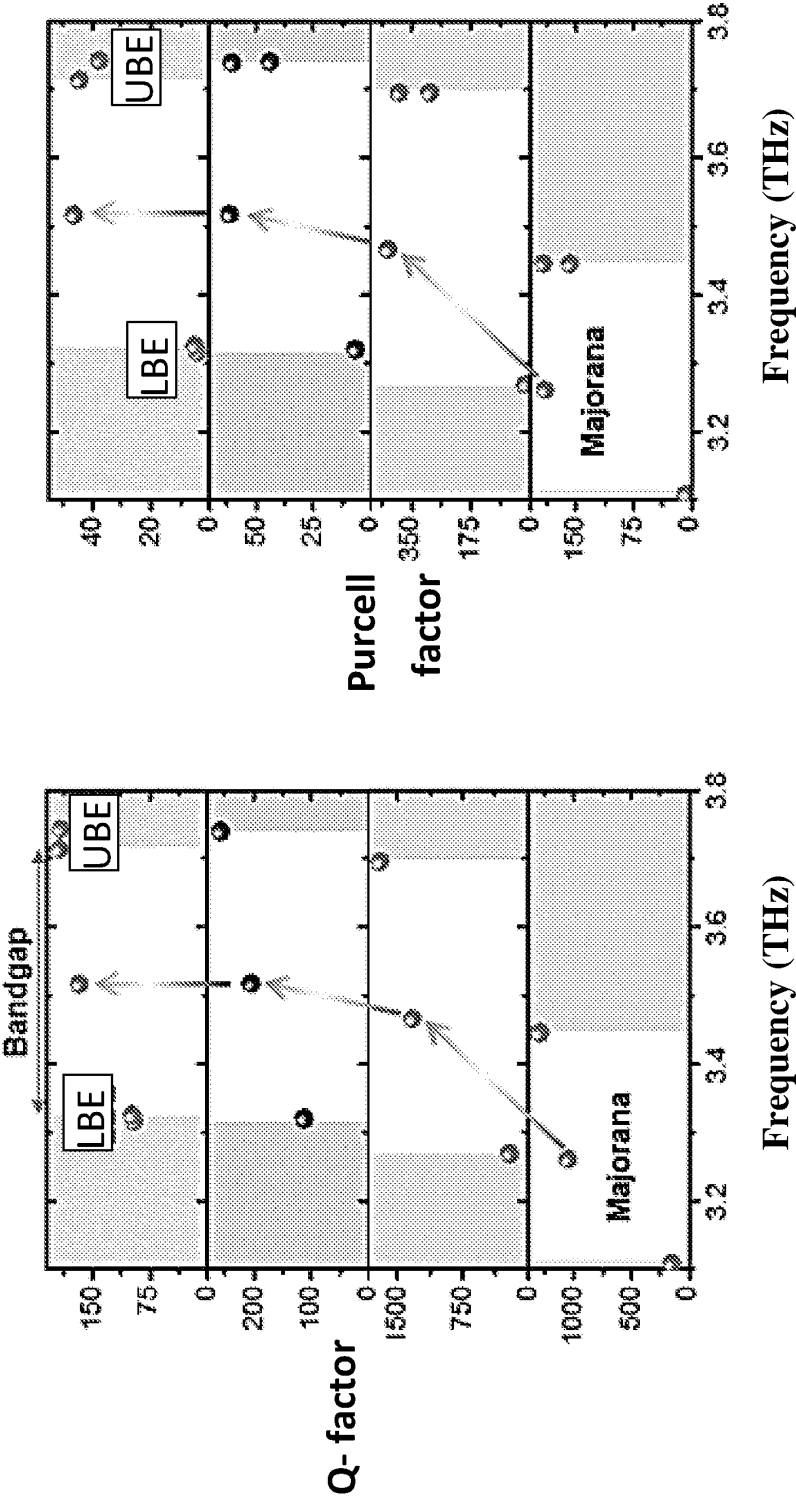


FIG. 13

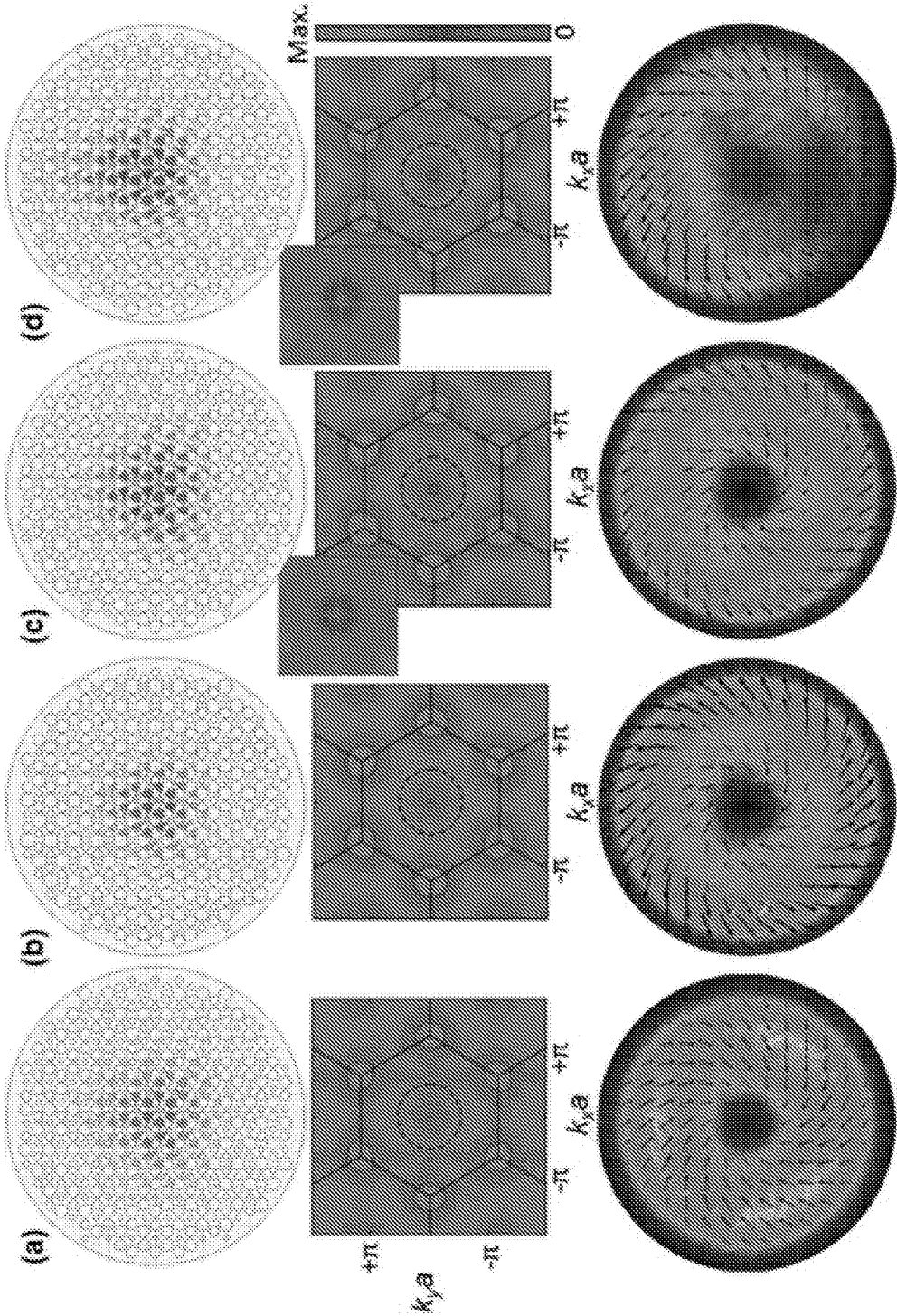


FIG. 14A

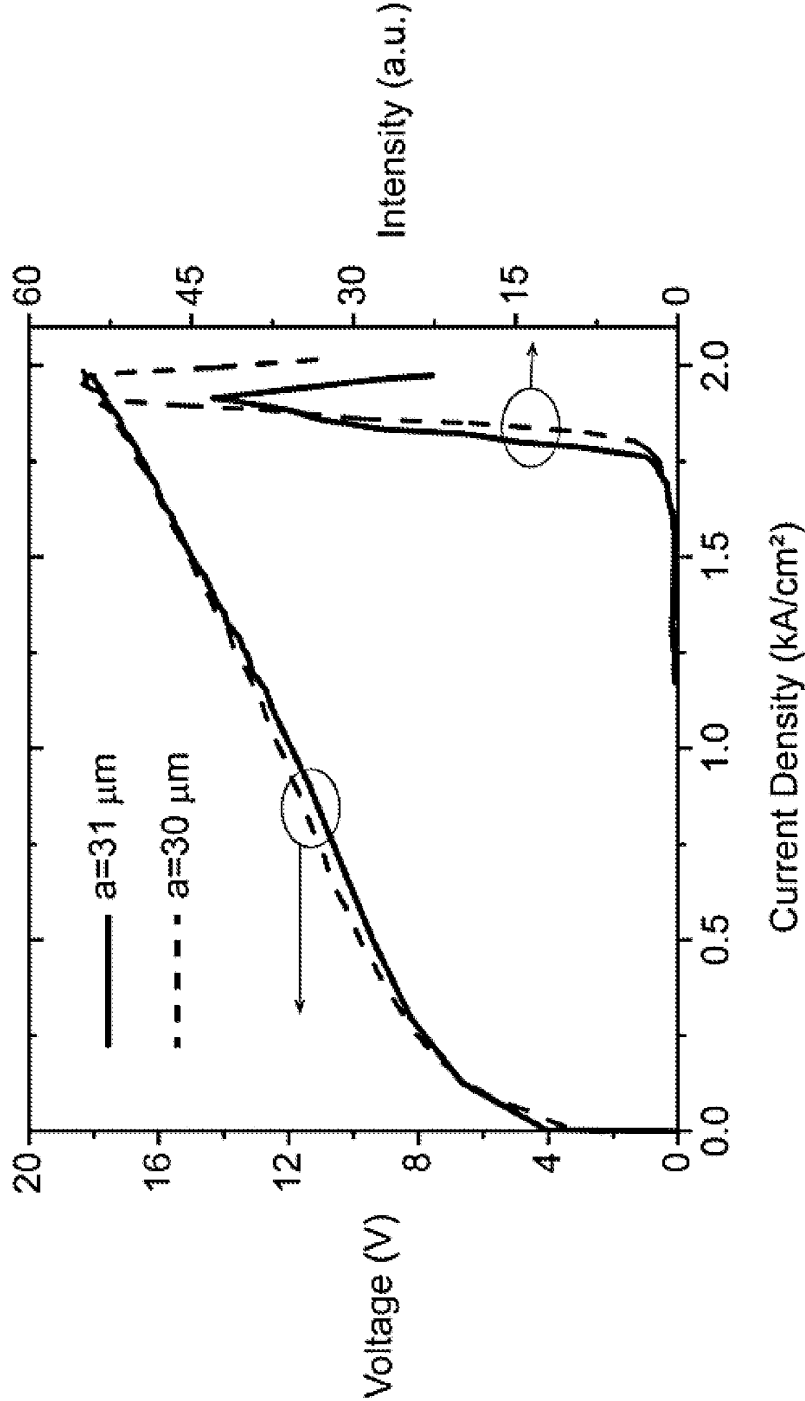


FIG. 14B

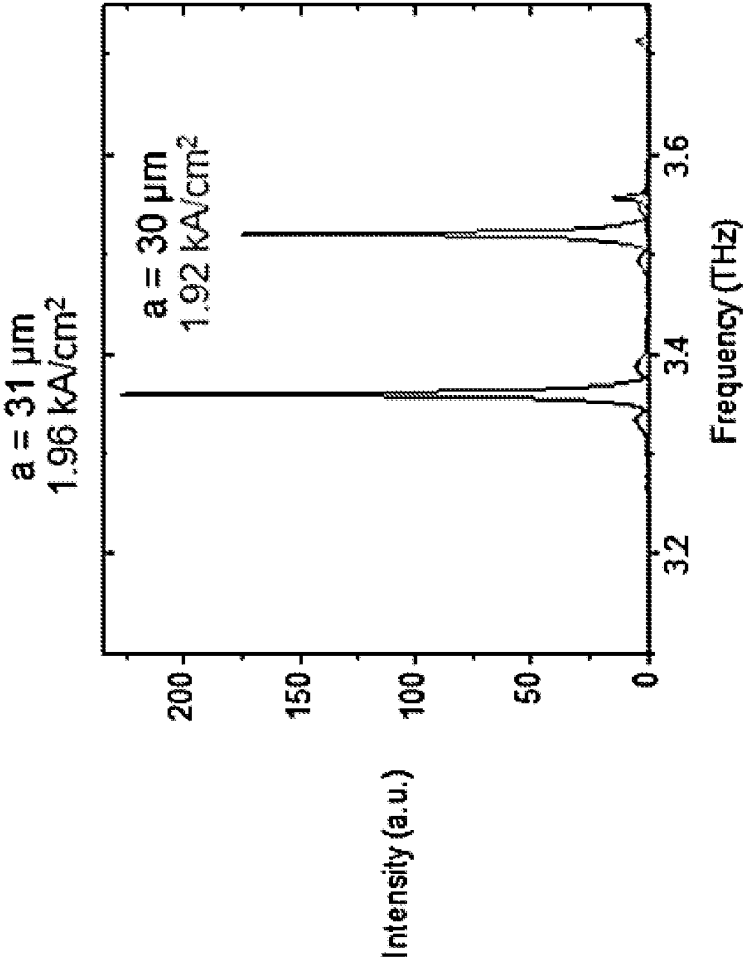


FIG. 15A

$$\alpha = 30 \mu m, w = +1, \zeta = 2\alpha$$

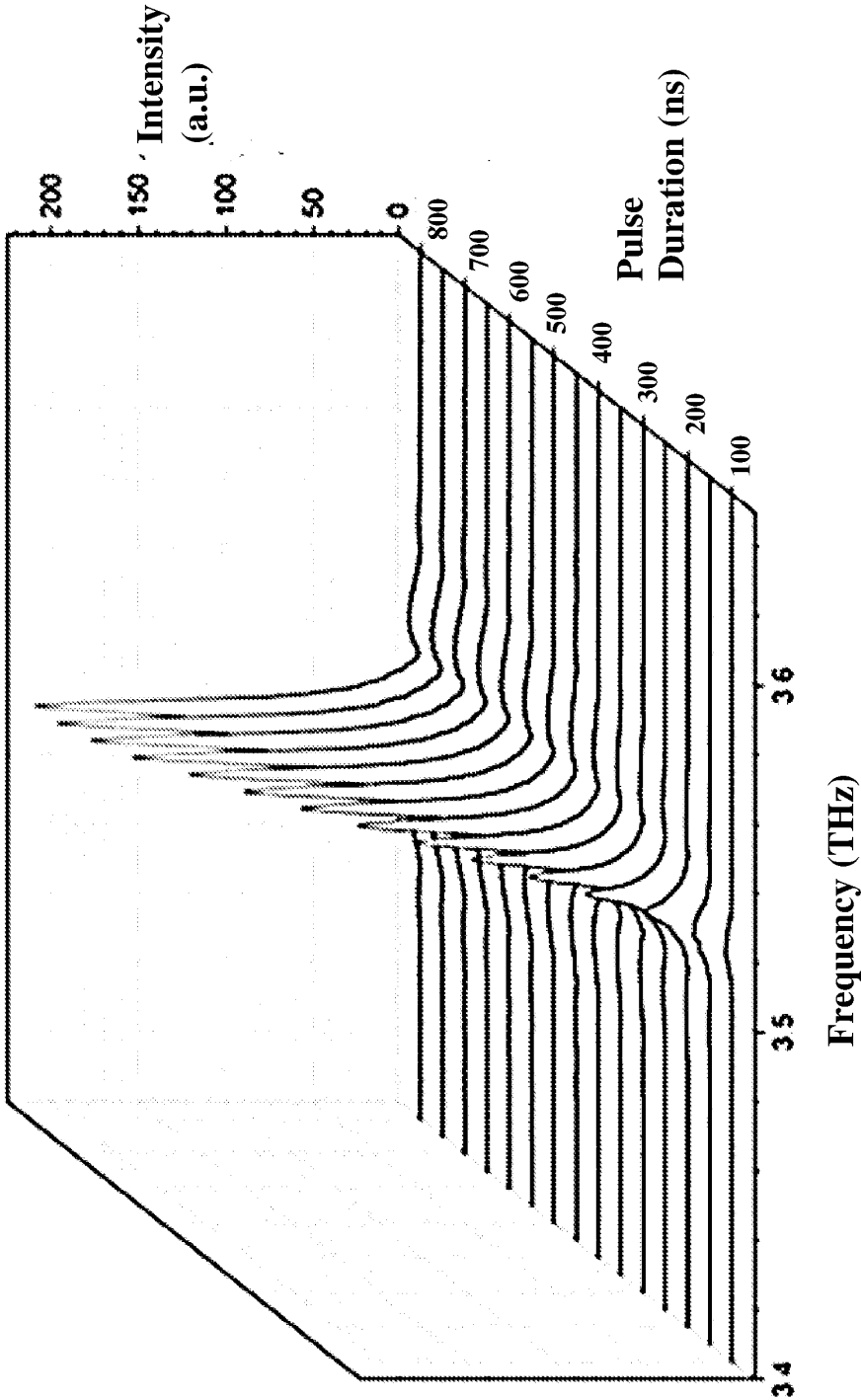


FIG. 15B

$$\alpha = 30 \mu m, w = -1, \zeta = 2\alpha$$

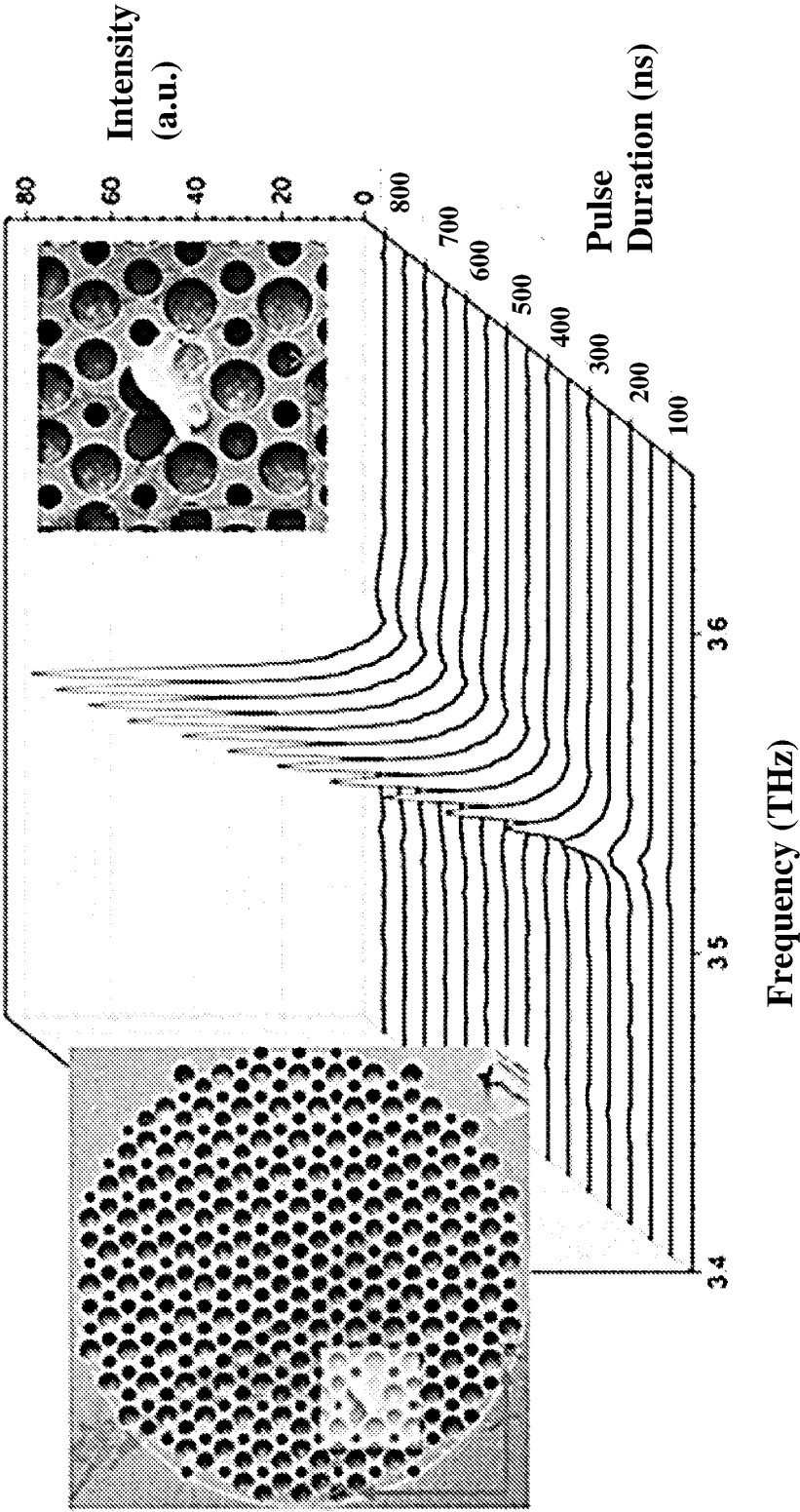


FIG. 16A

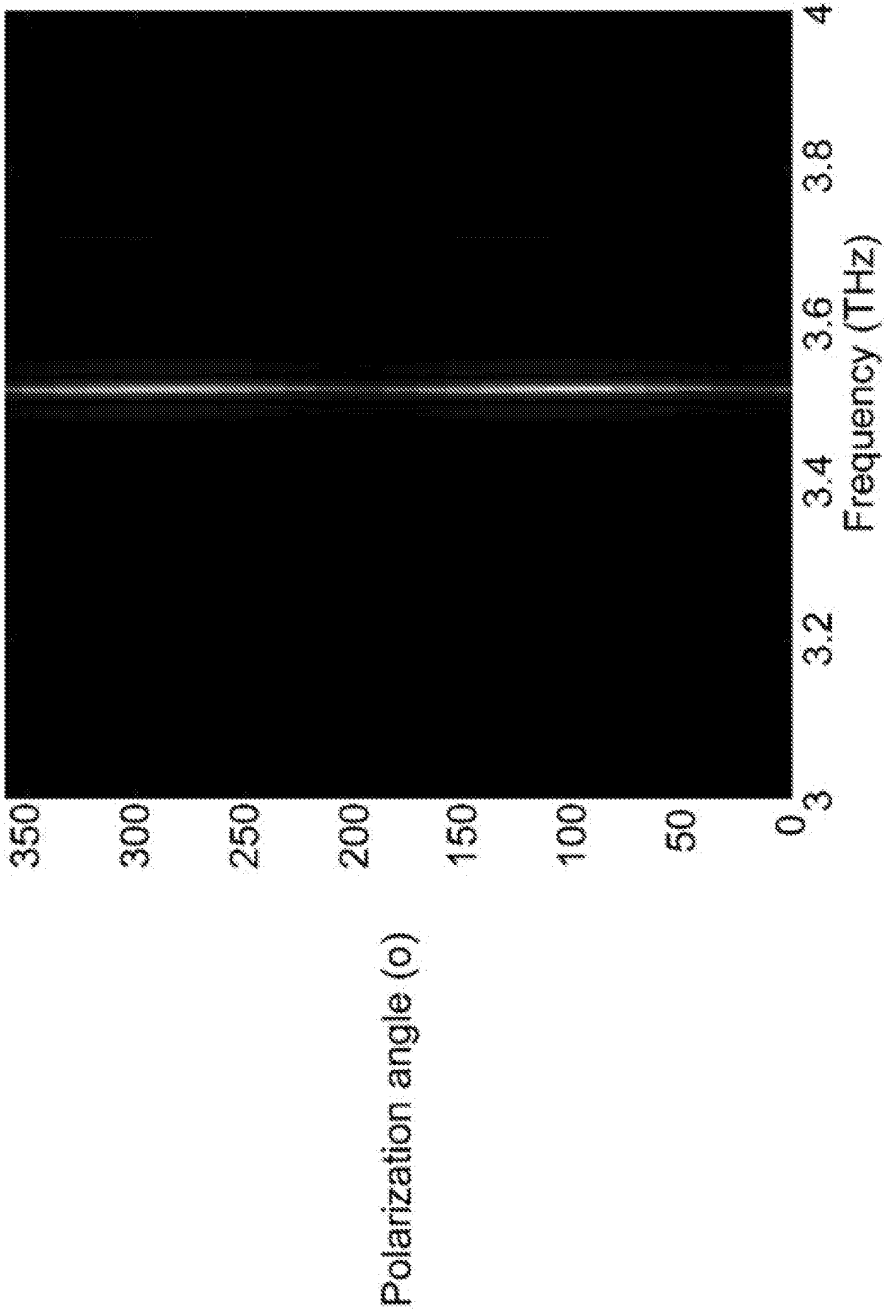


FIG. 16B

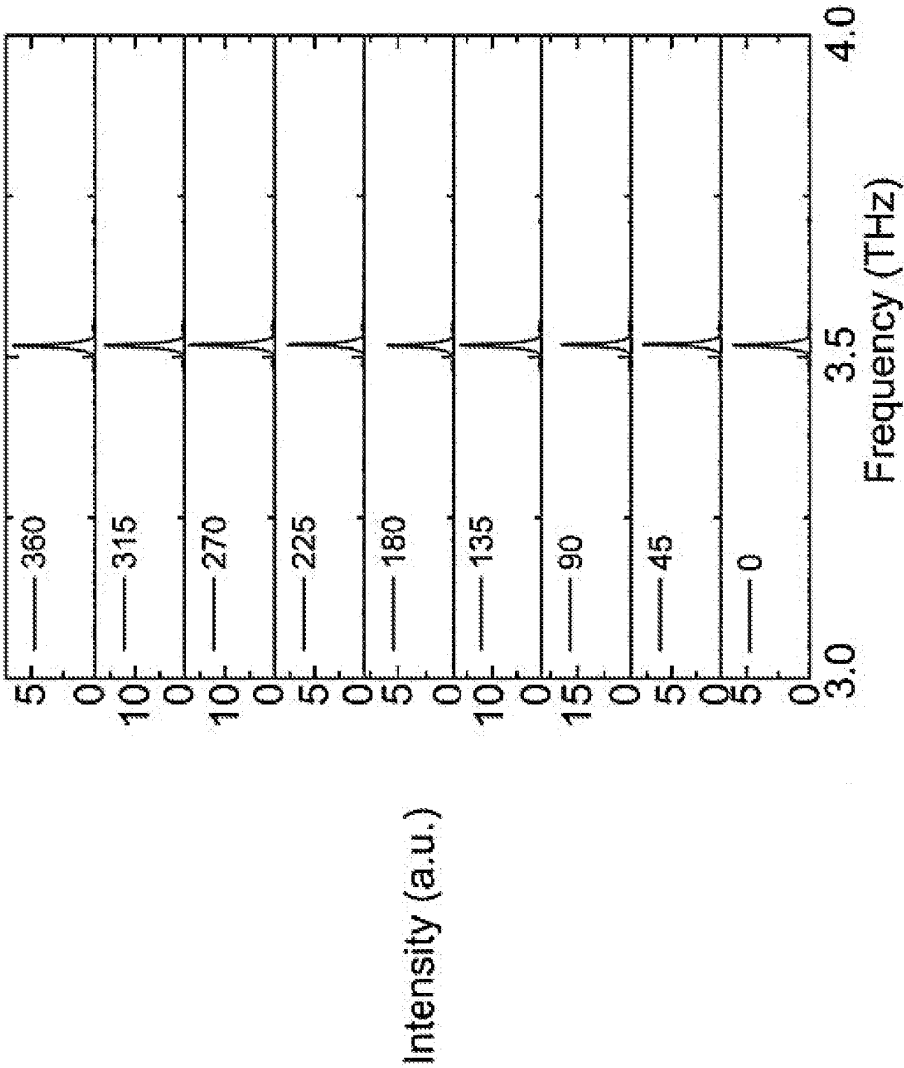


FIG. 17

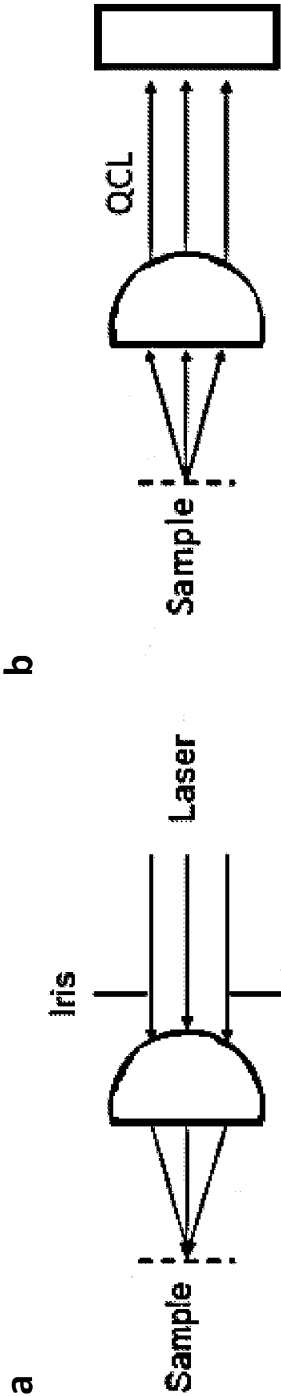


FIG. 18

