

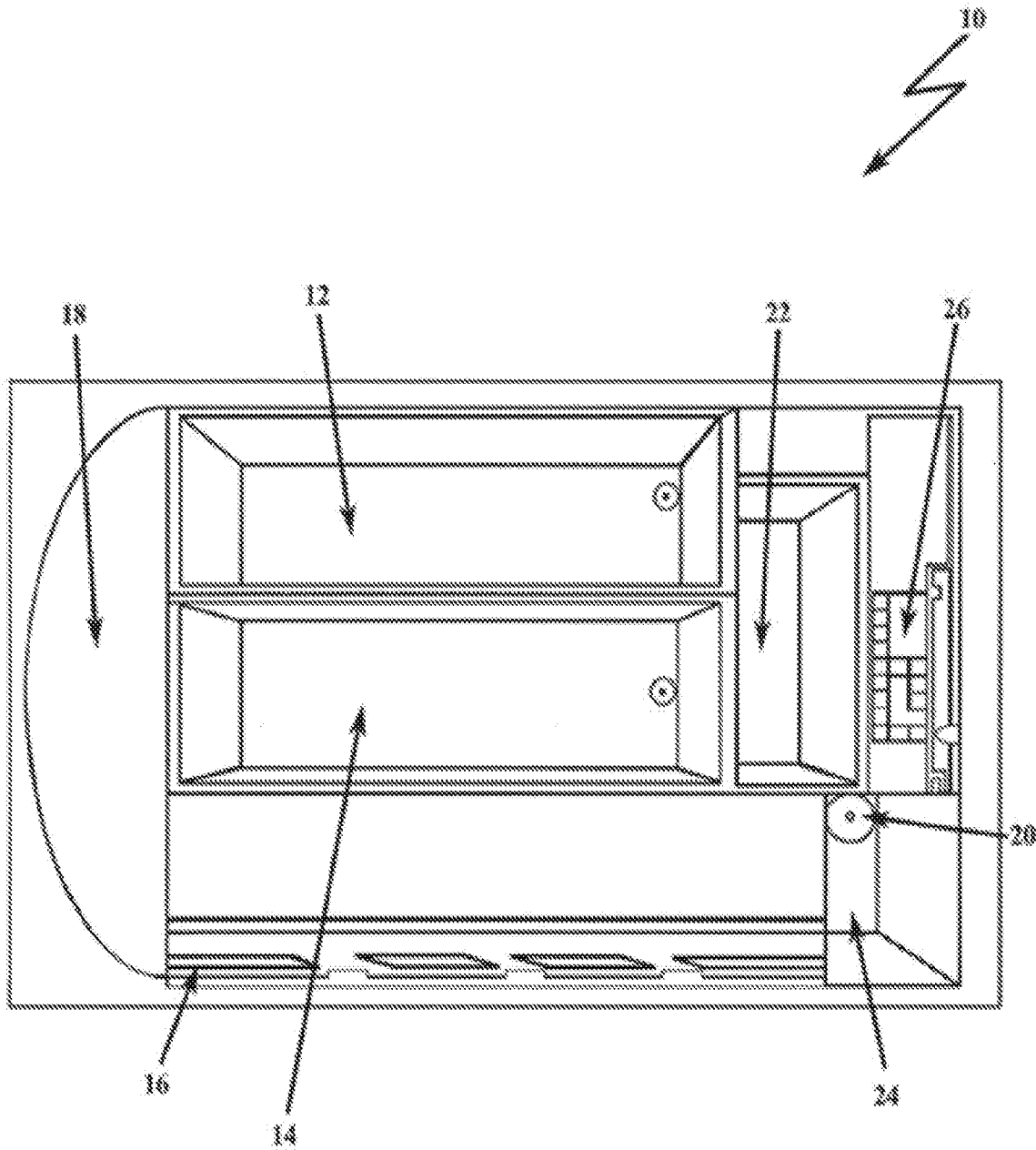


FIG. 1 (PRIOR ART)

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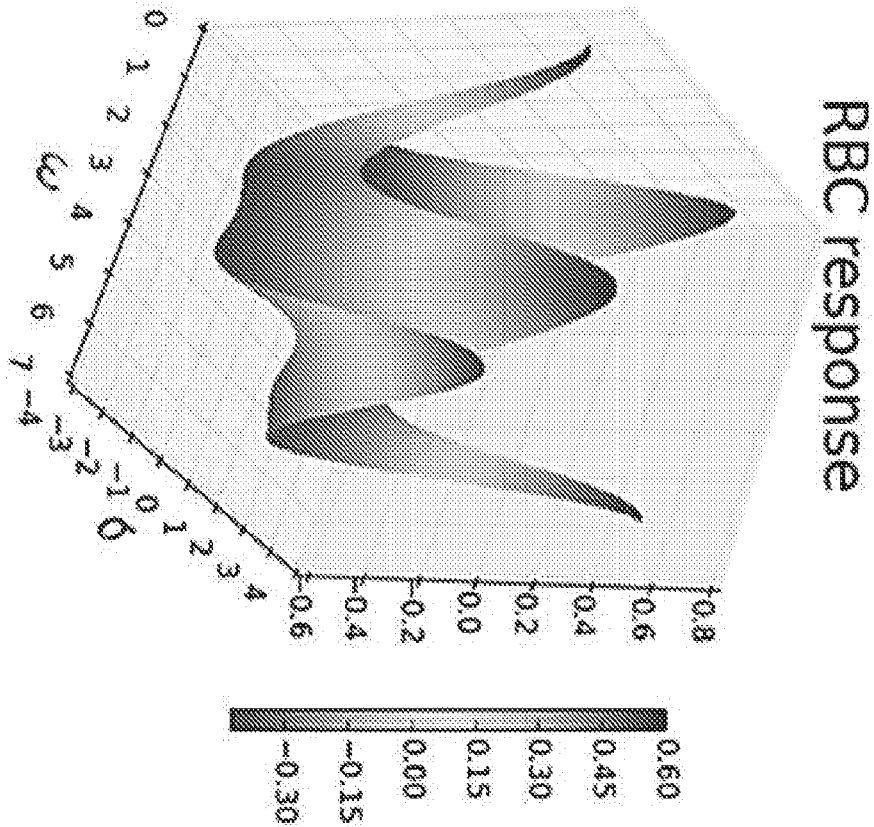
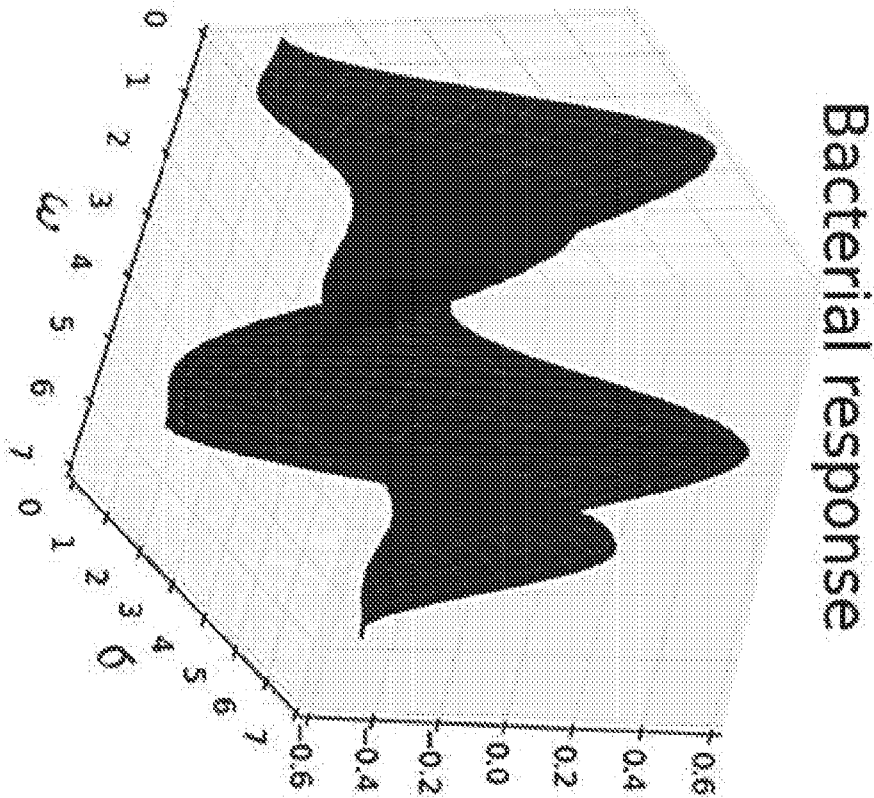


FIG. 2

differential response

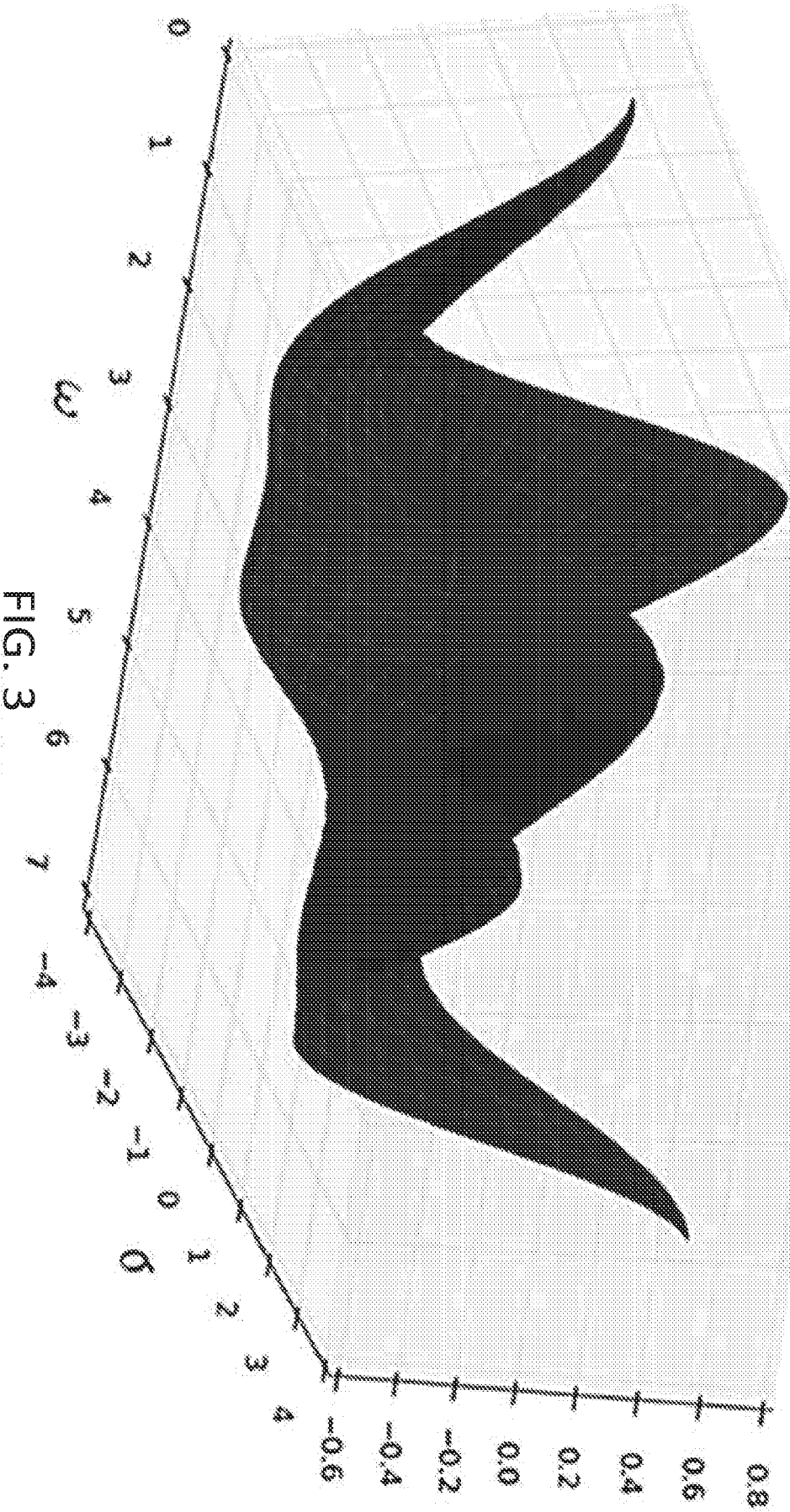


FIG. 3

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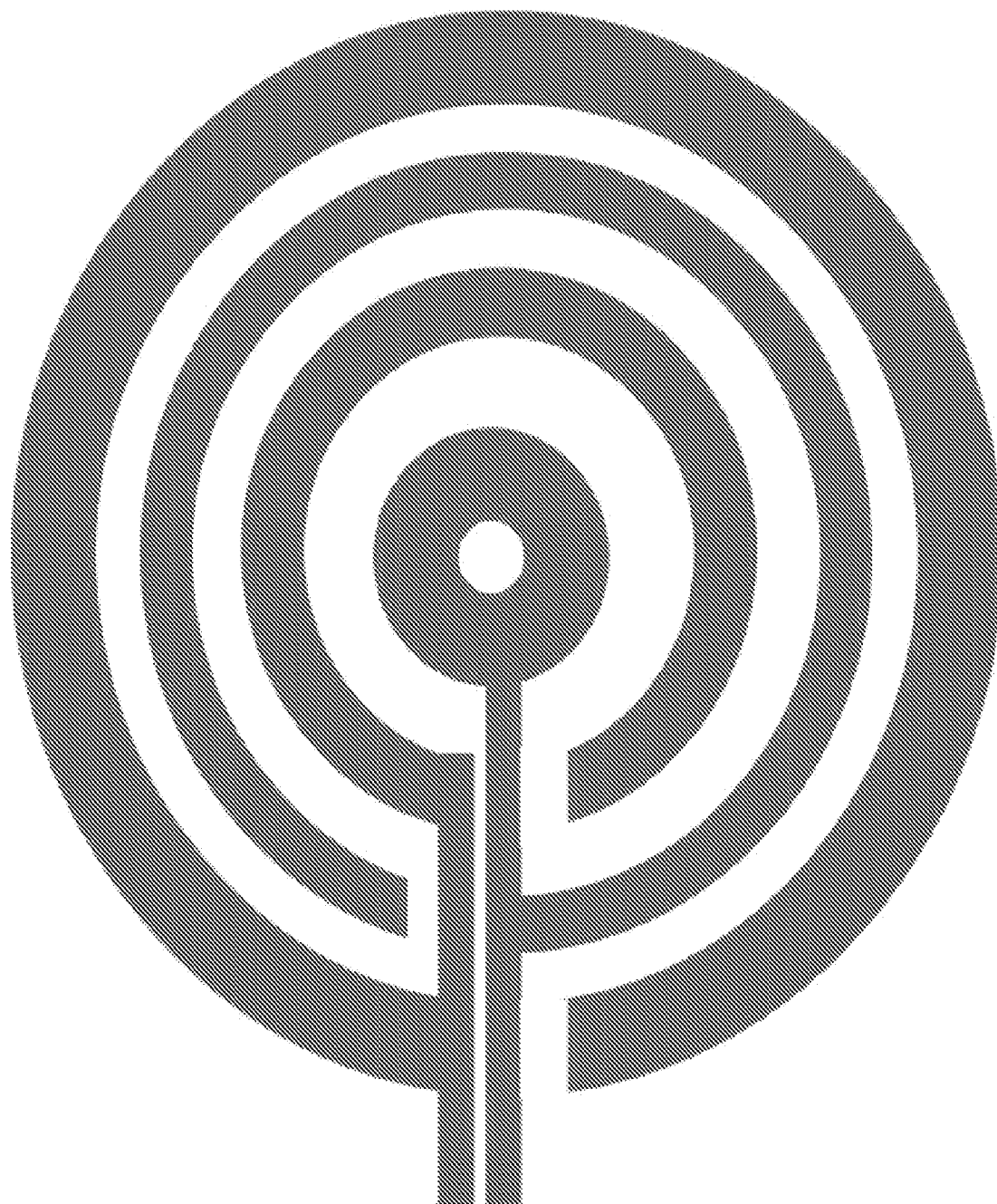


FIG. 4

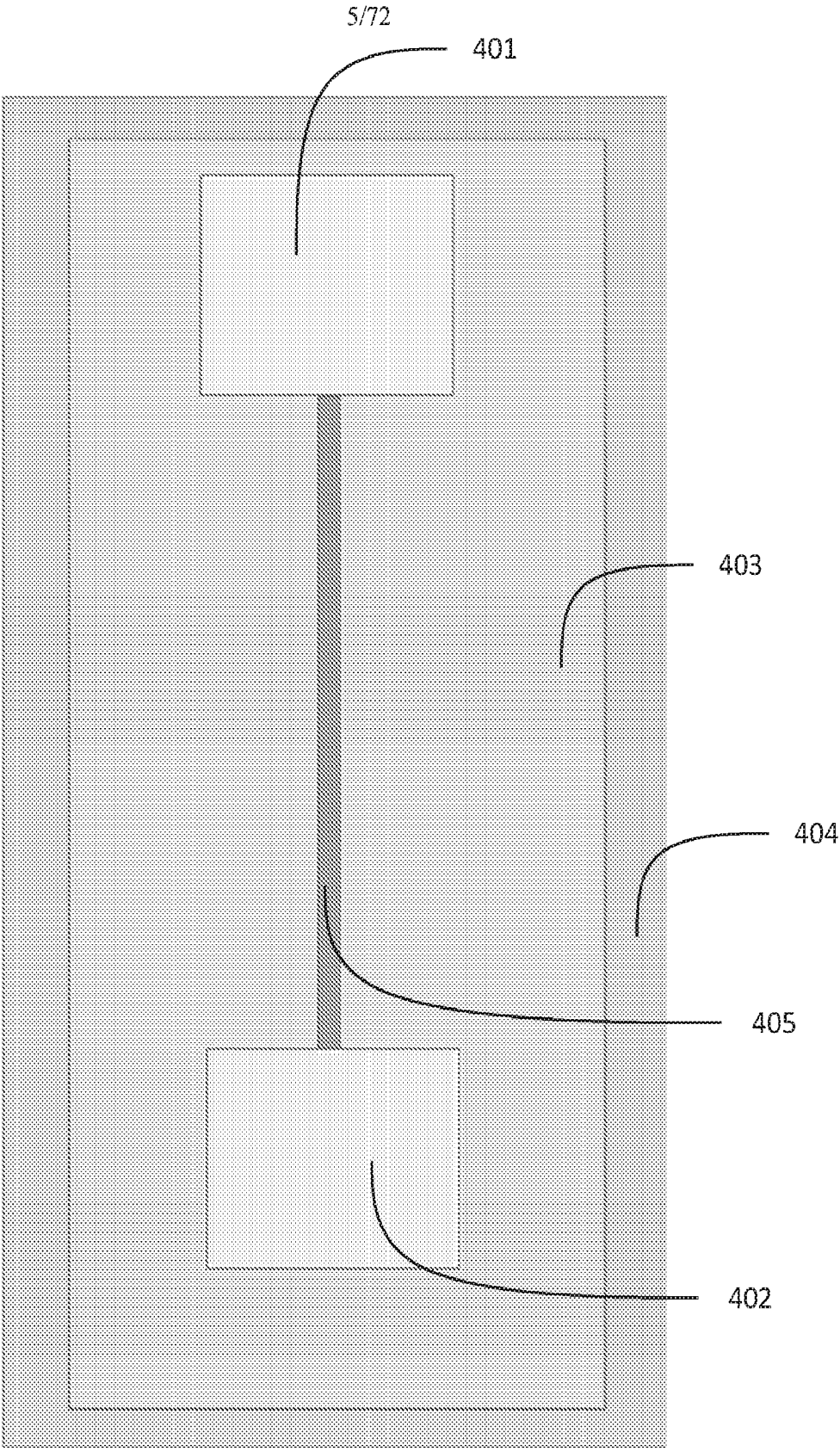


FIG. 5

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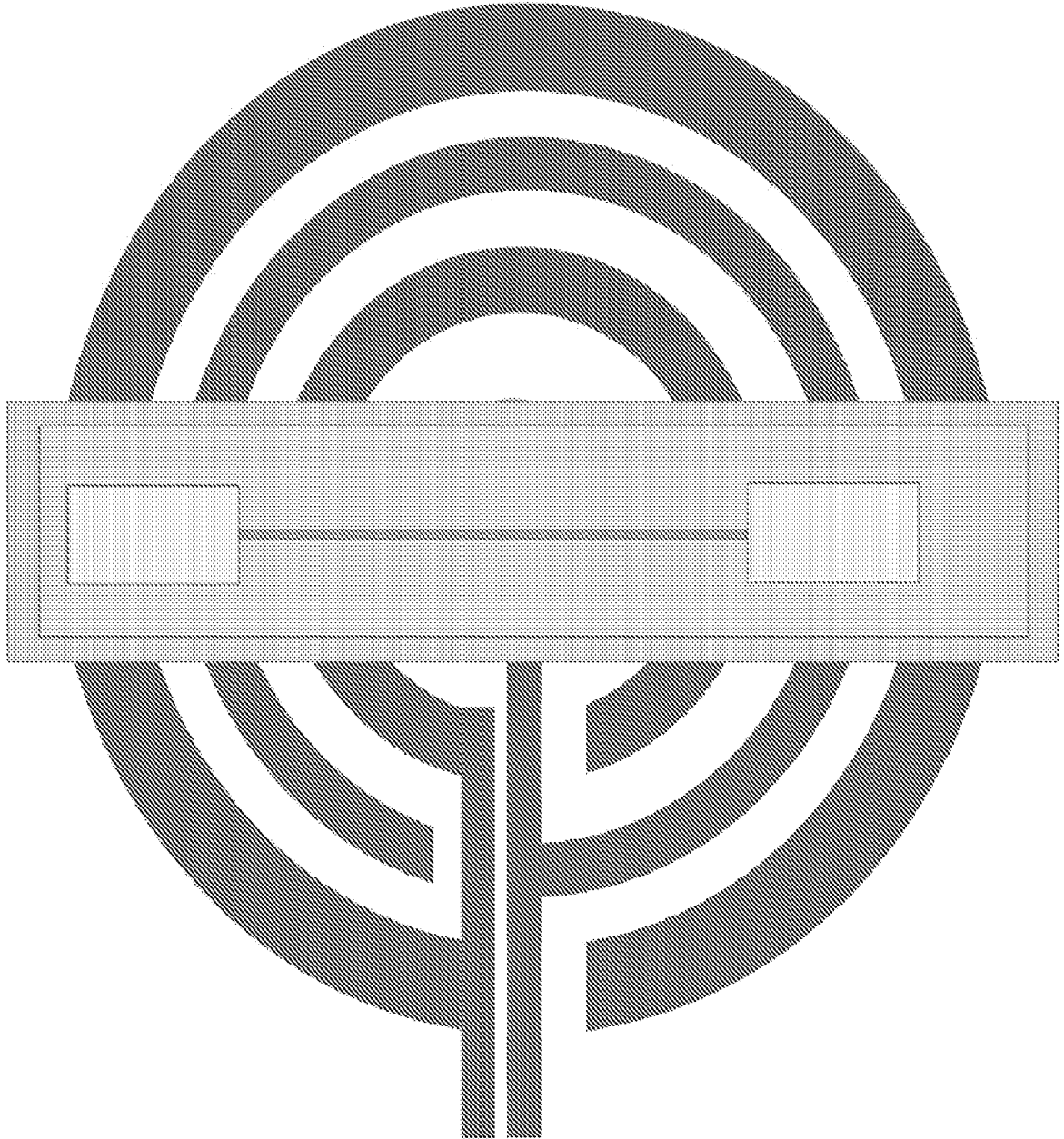


FIG. 6

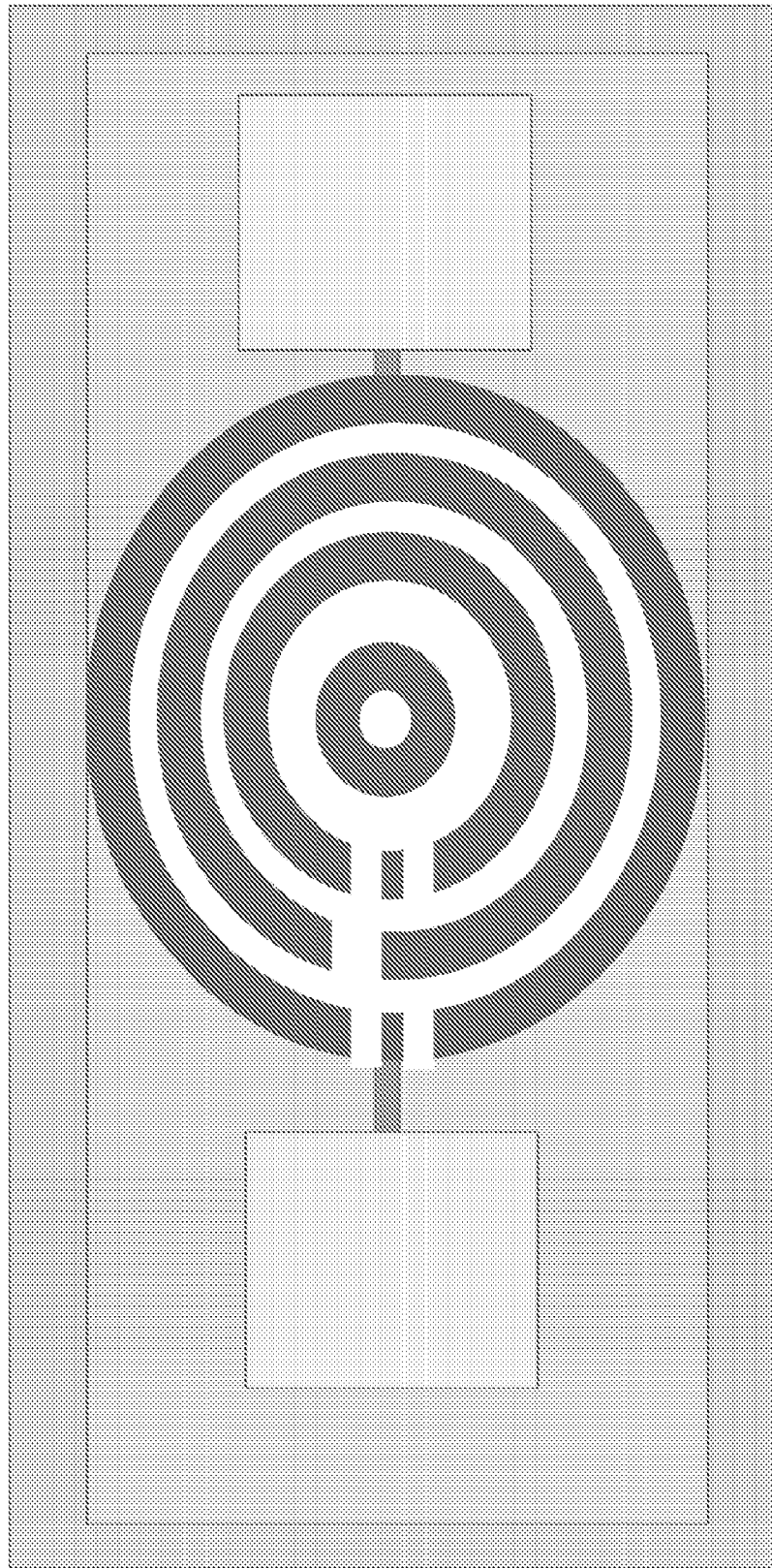


FIG. 7

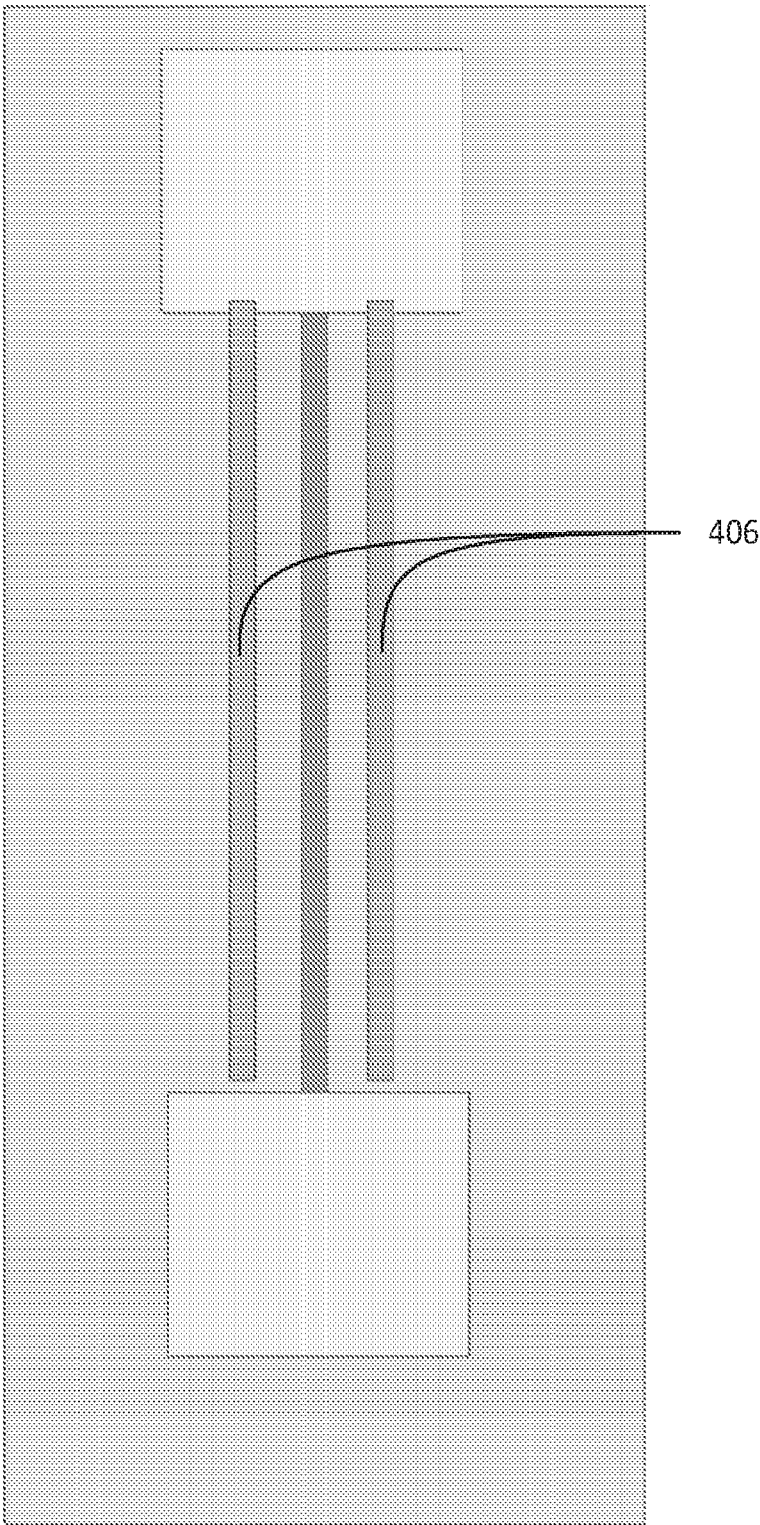


FIG. 8

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FIG. 9A

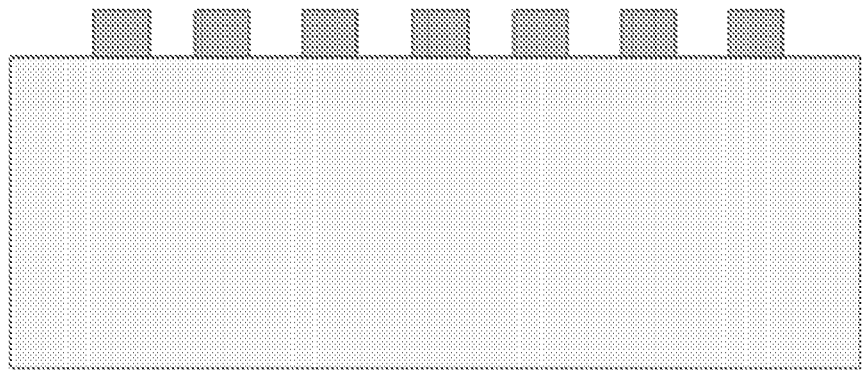


FIG. 9B

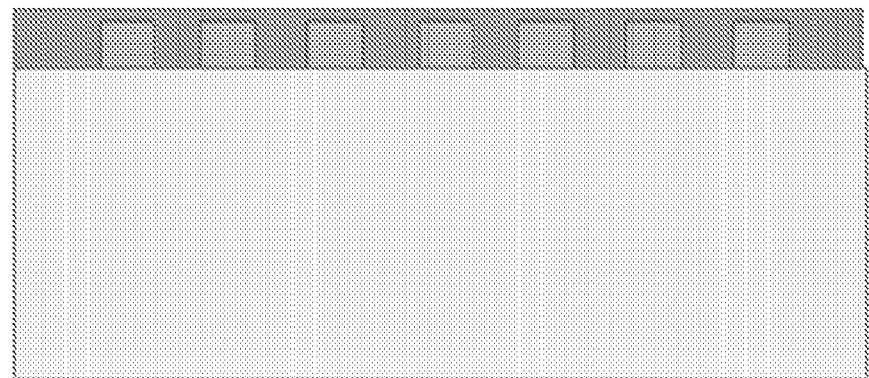


FIG. 9C

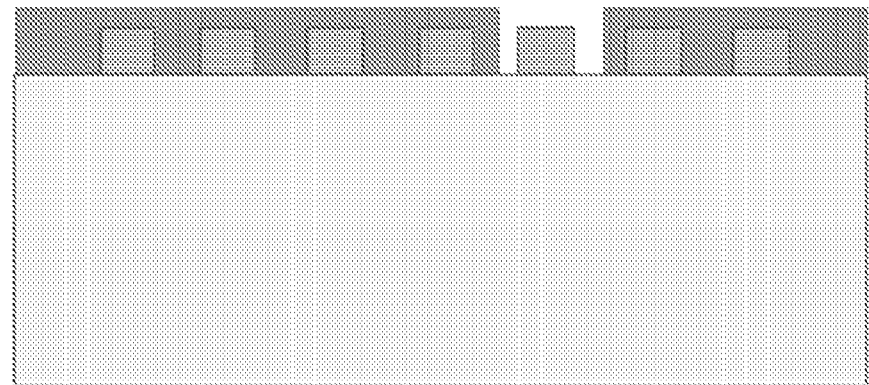


FIG. 9D

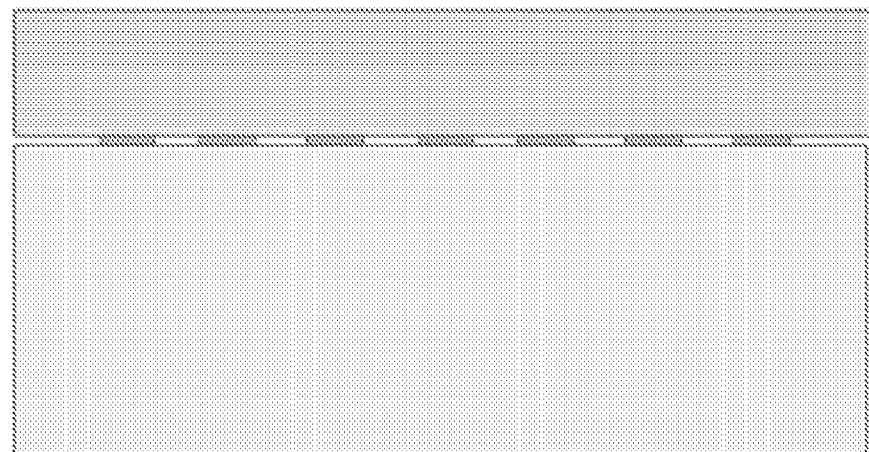
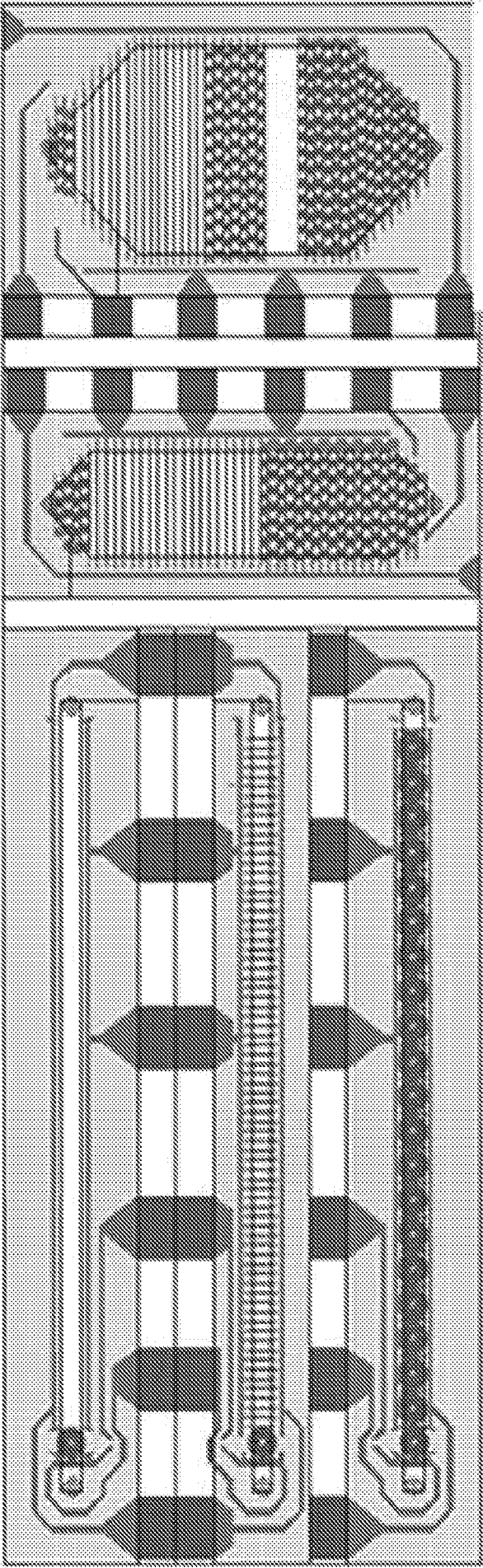
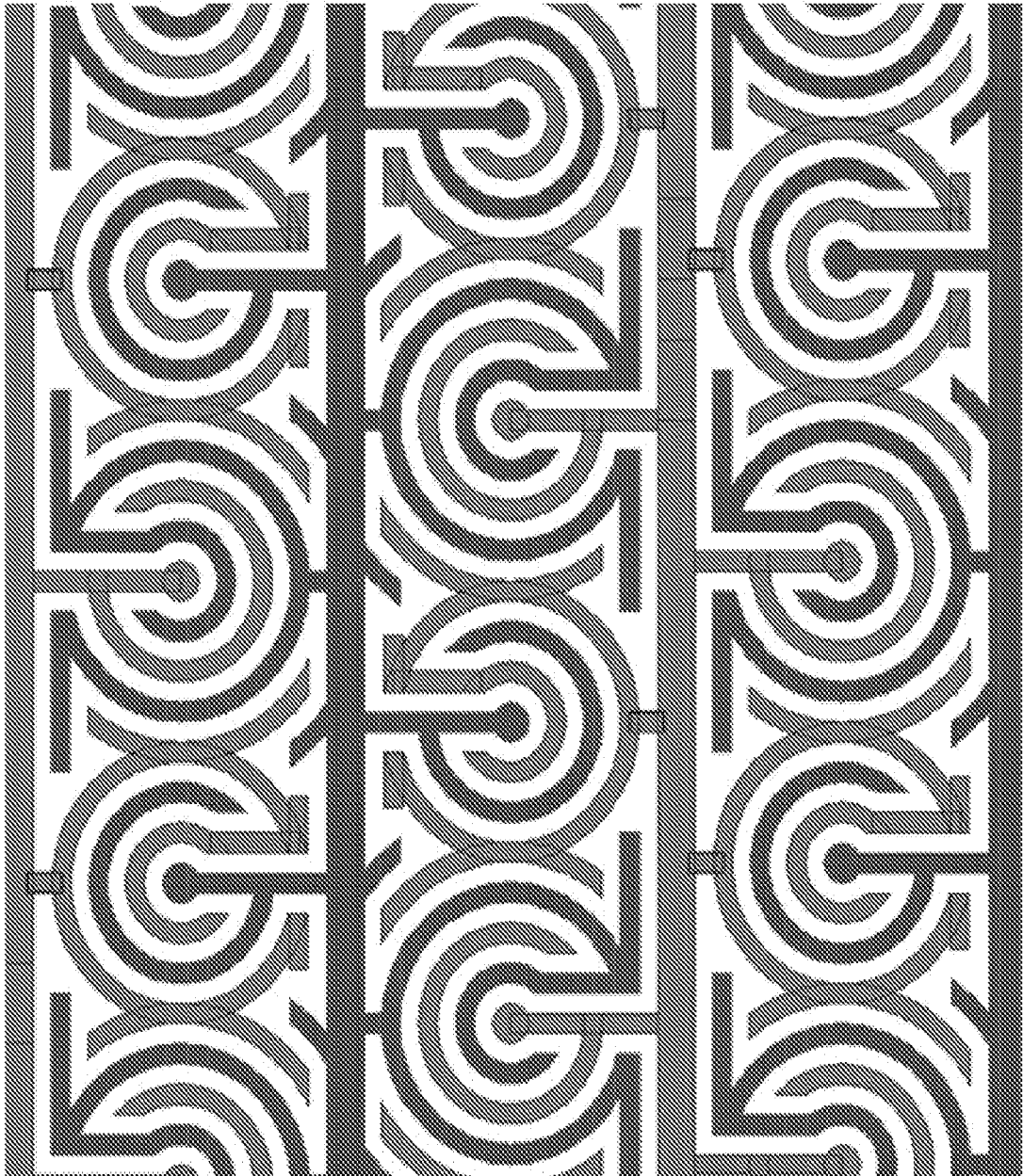


FIG. 10A



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FIG. 10B



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FIG. 10C

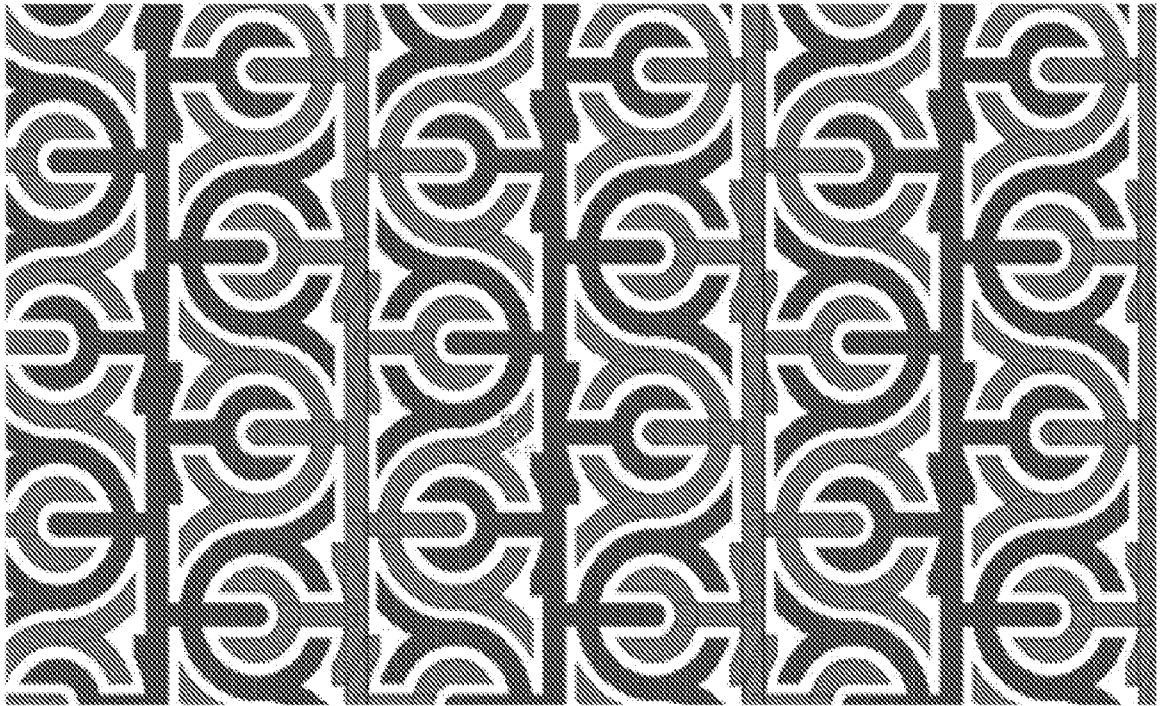


FIG. 10D

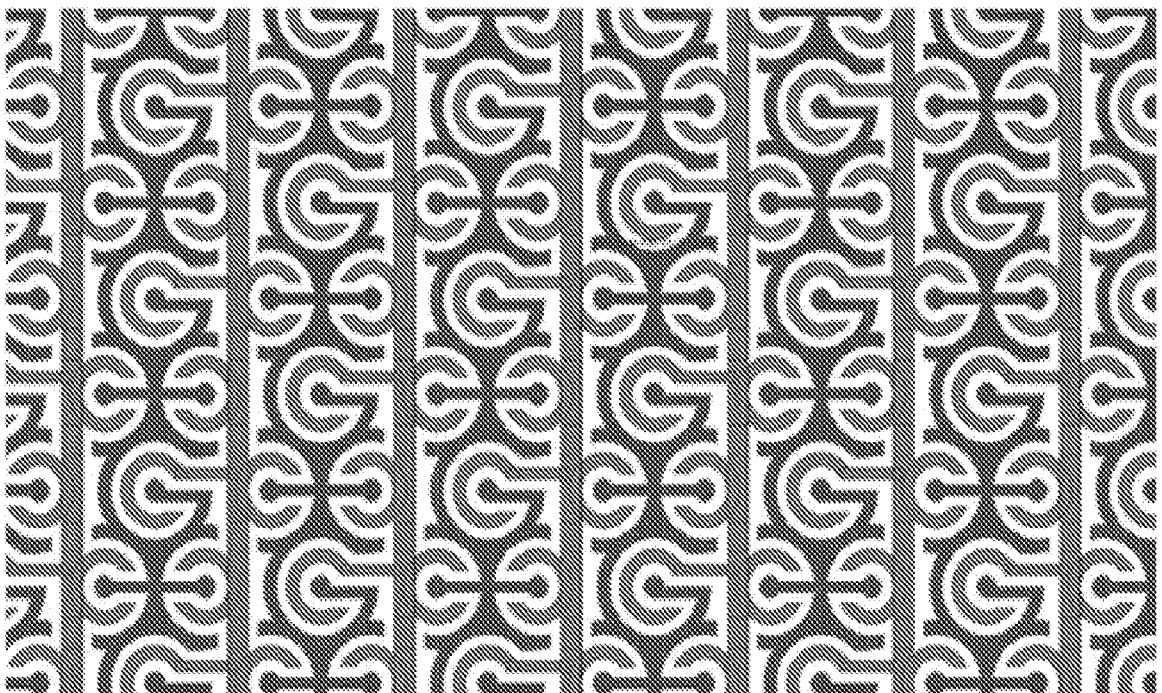
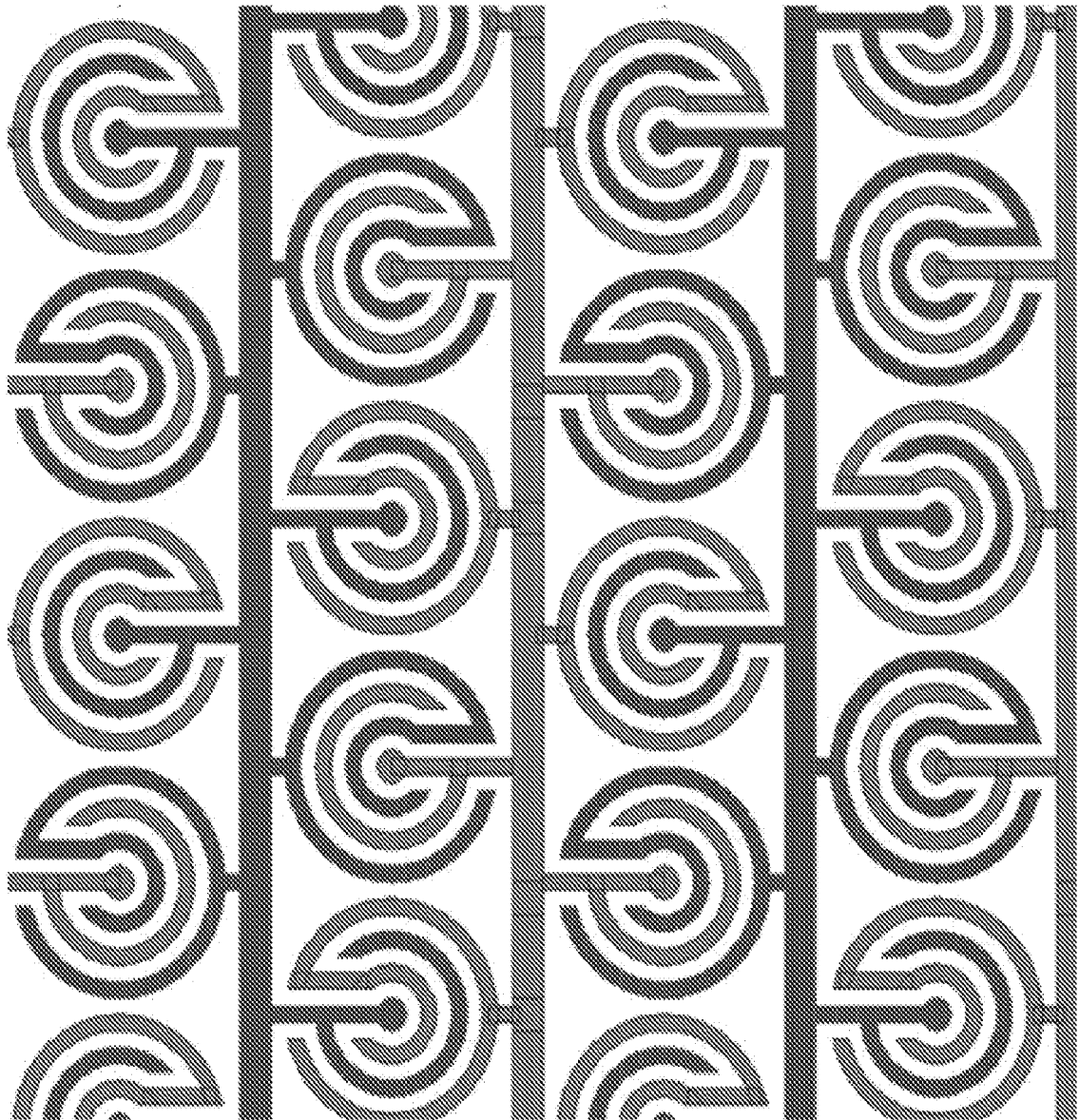


FIG. 10E



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FIG. 10F

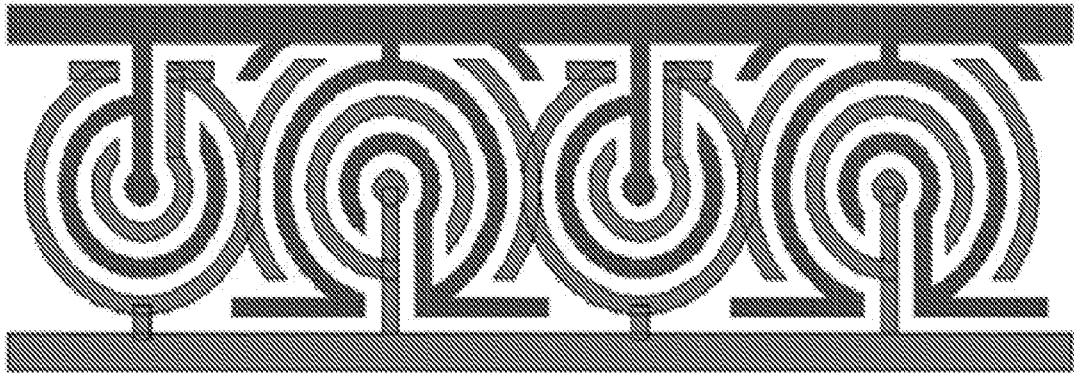


FIG. 10G

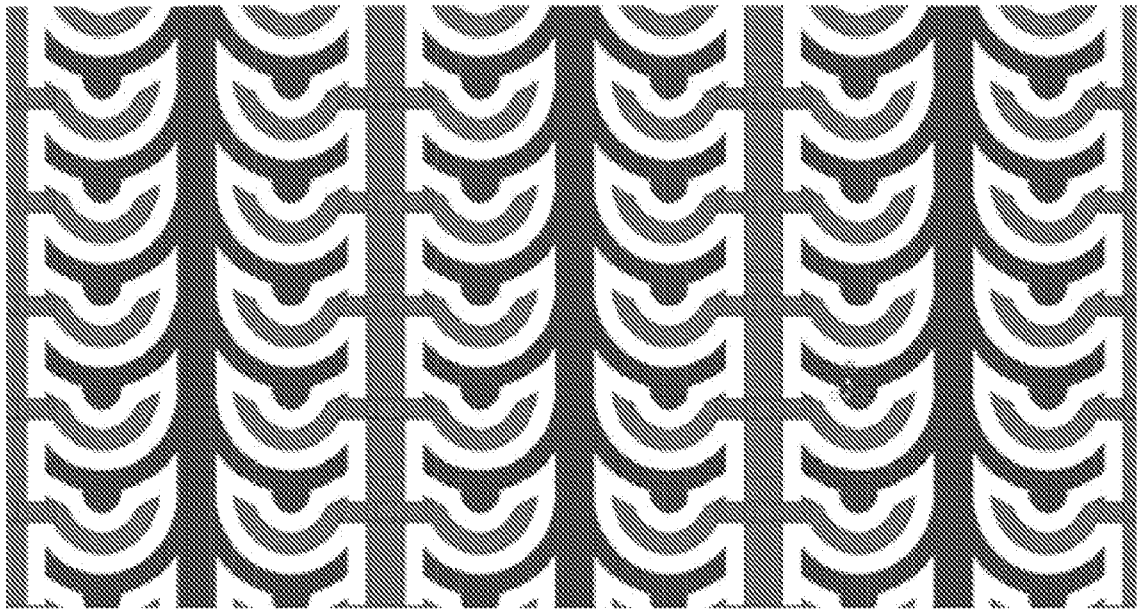
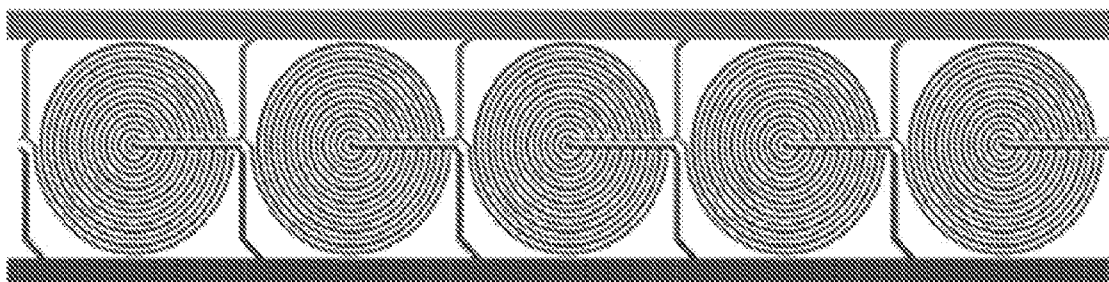


FIG. 10H



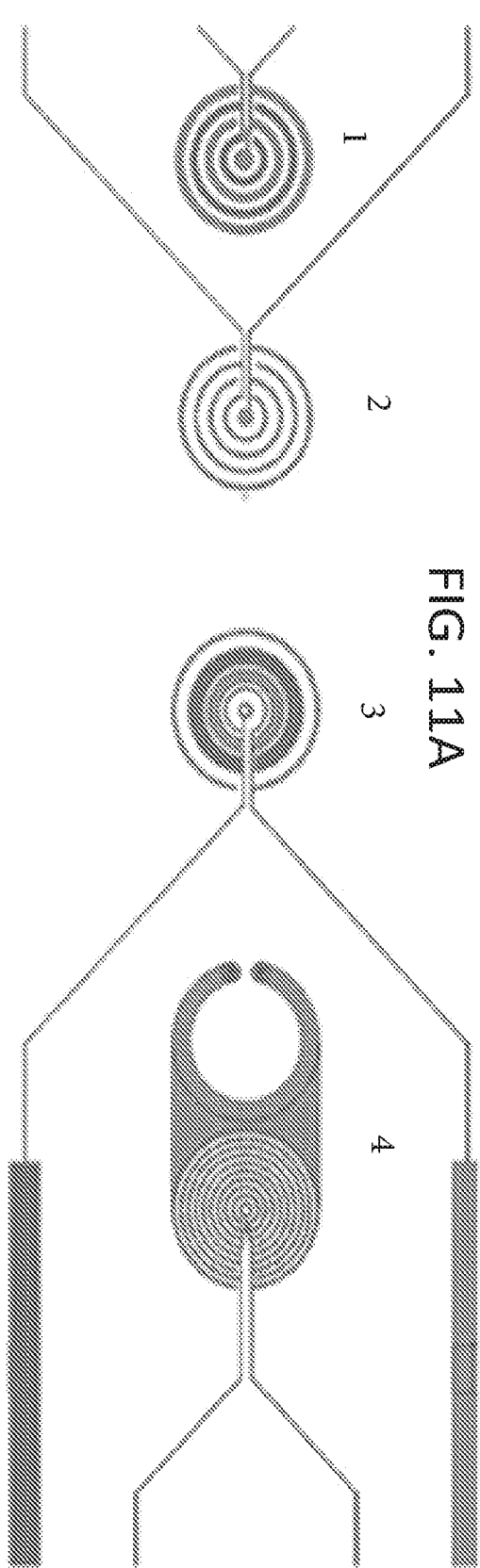
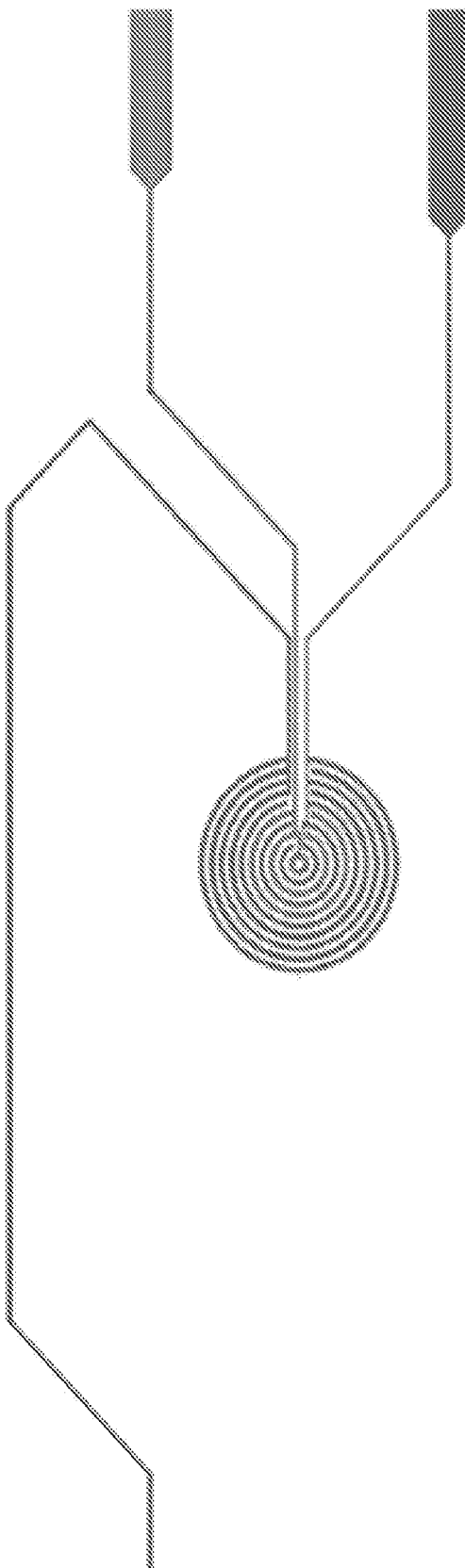


FIG. 11B



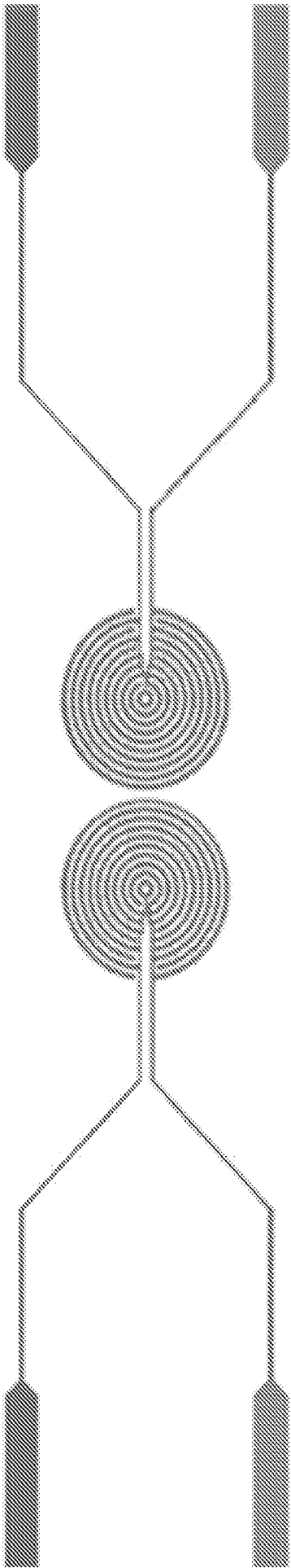


FIG. 11D

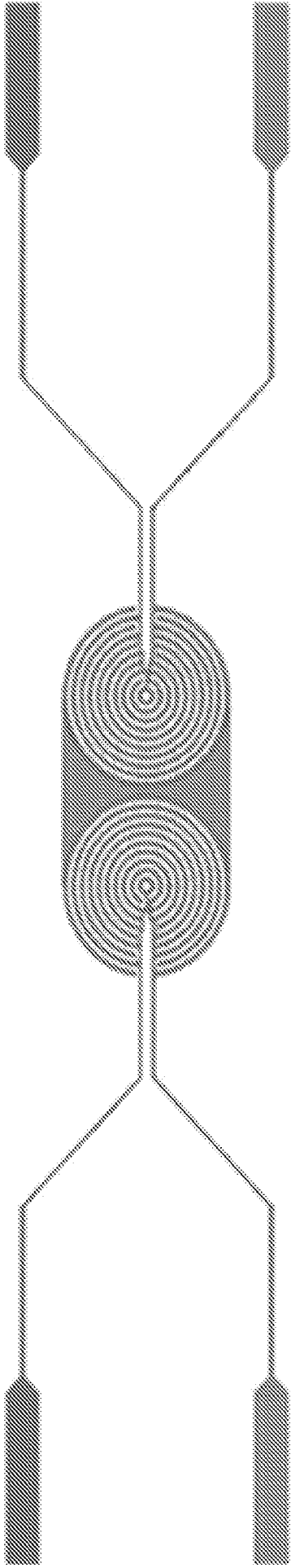


FIG. 11C

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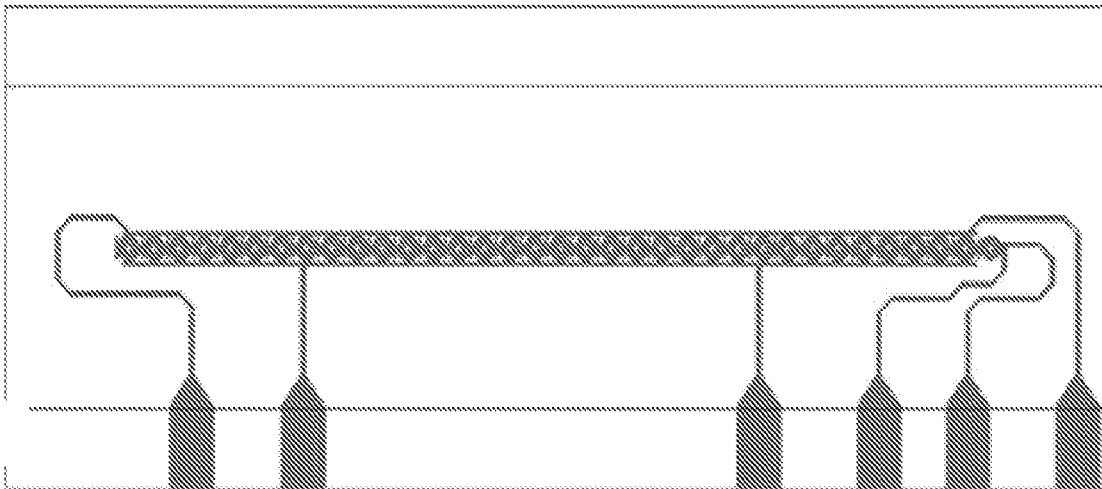
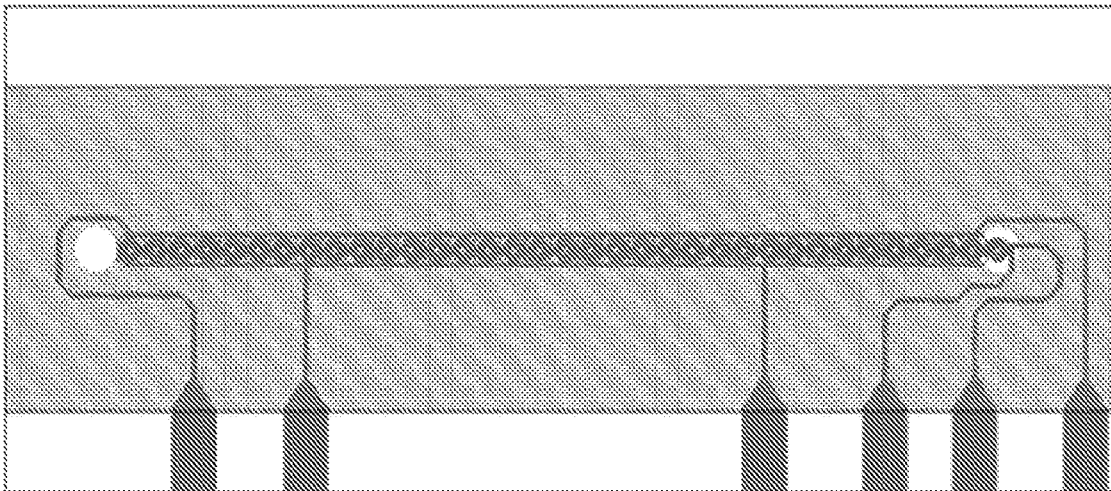
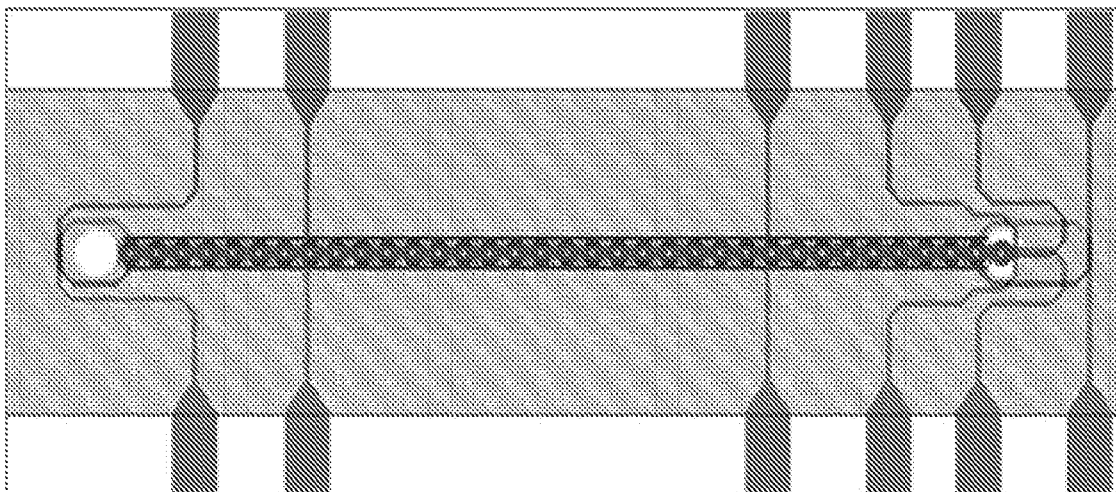
Step 1Step 2

FIG. 12

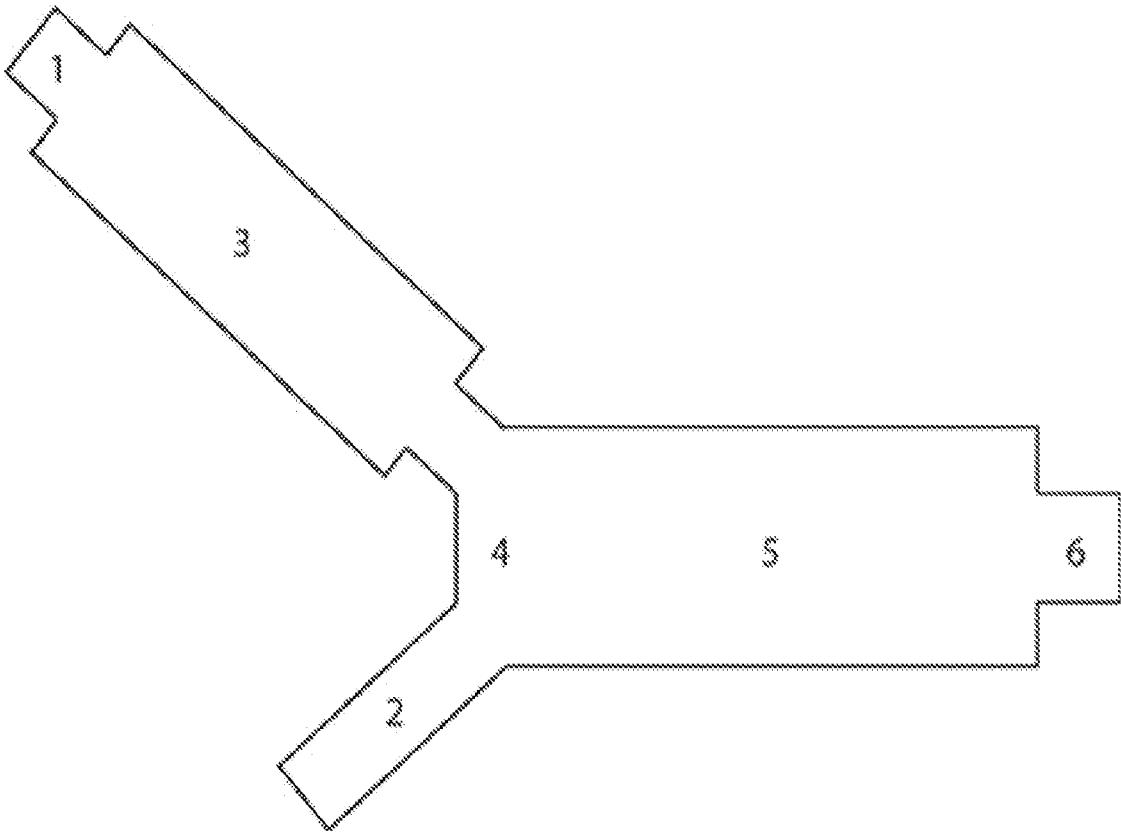


FIG. 13

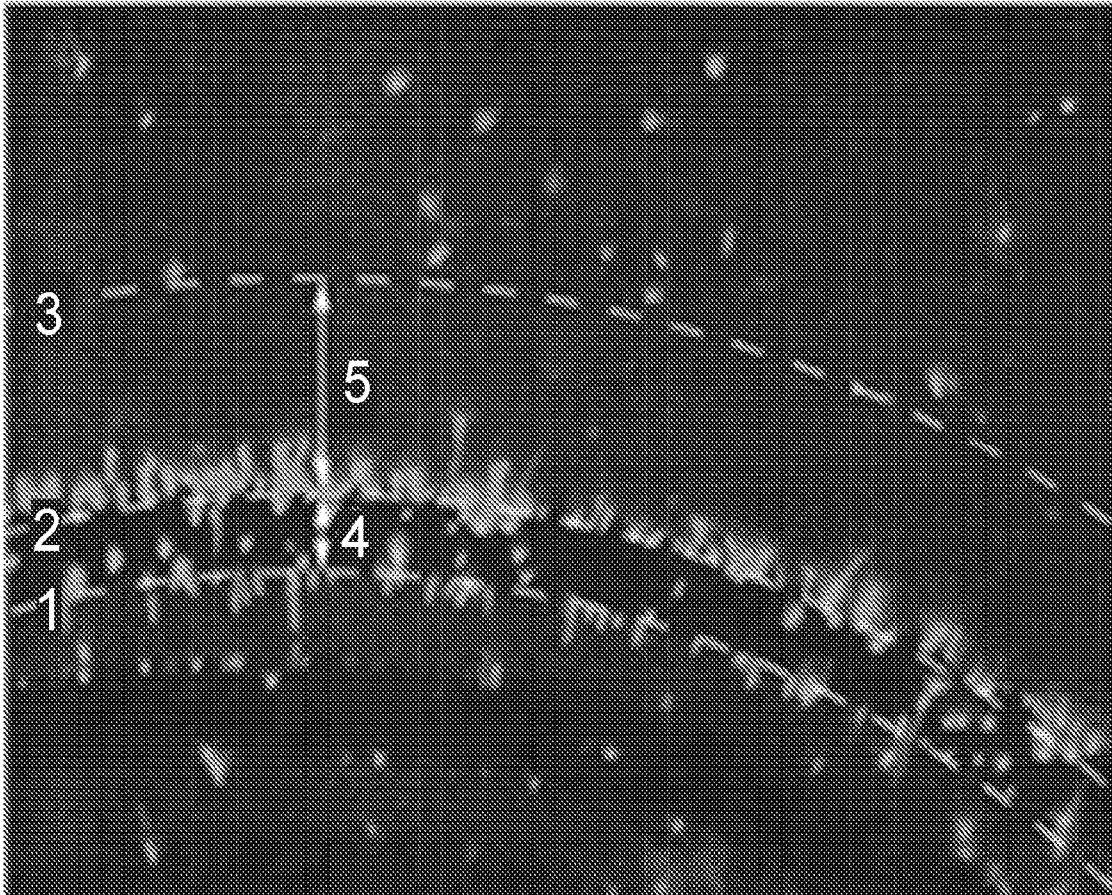


FIG. 14

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FIG. 15A

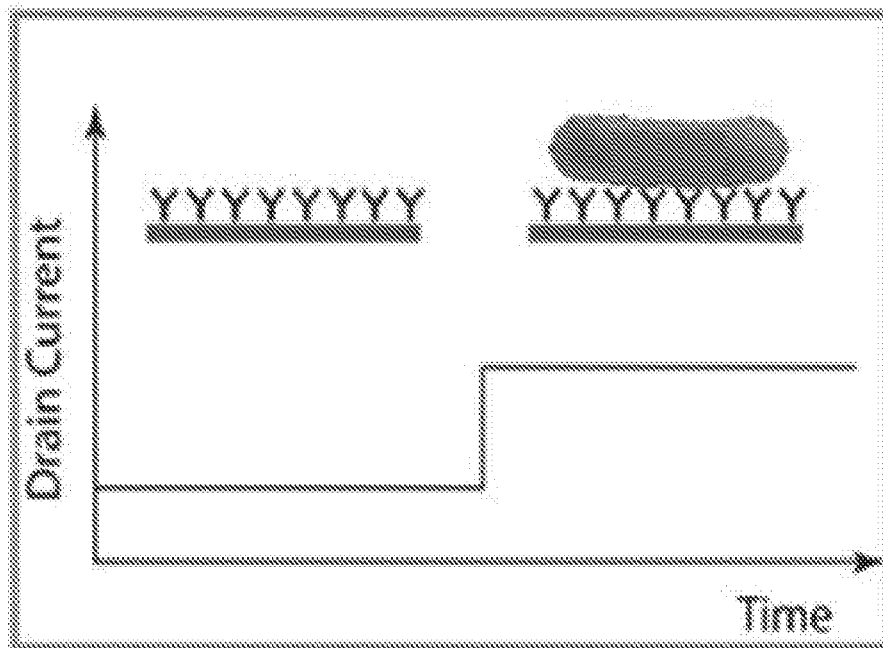
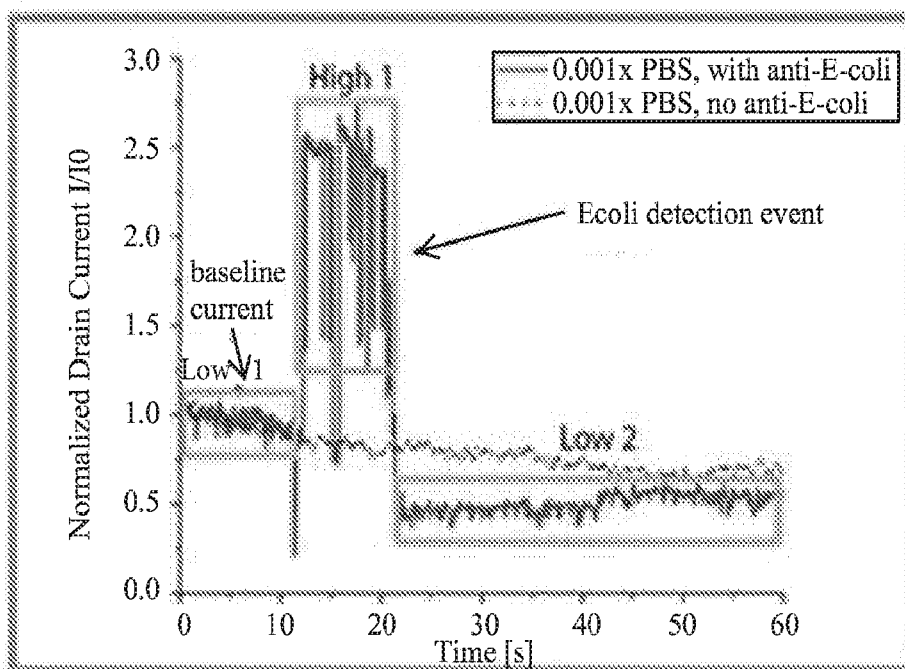


FIG. 15B



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FIG. 15C

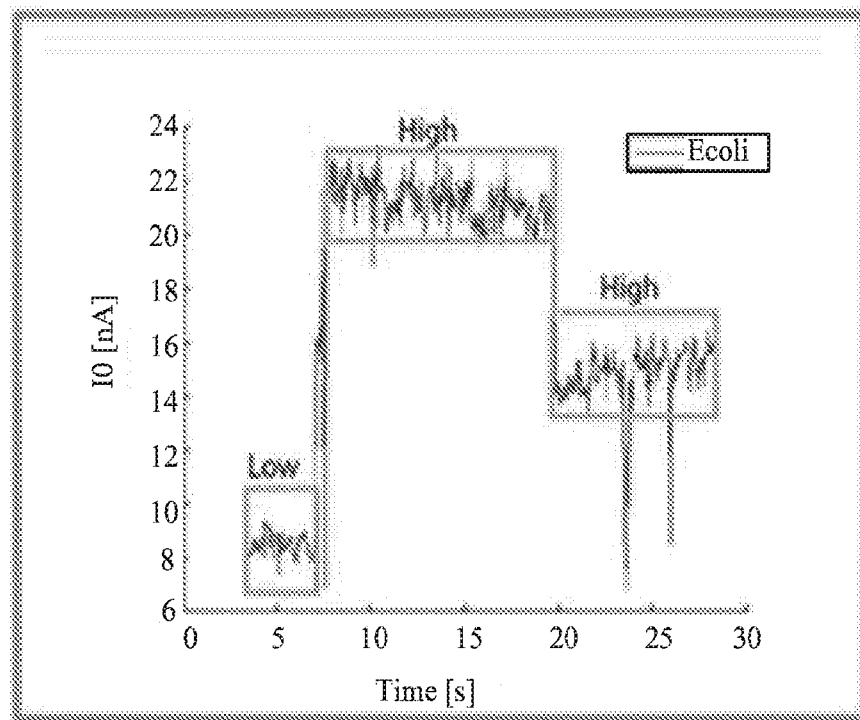


FIG. 15D

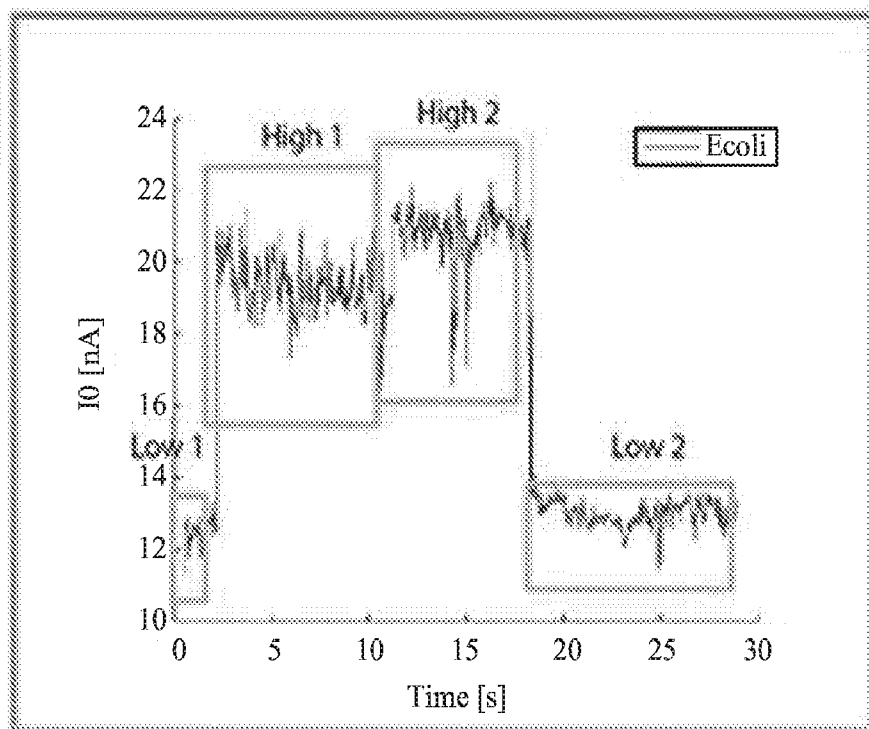


FIG. 16A

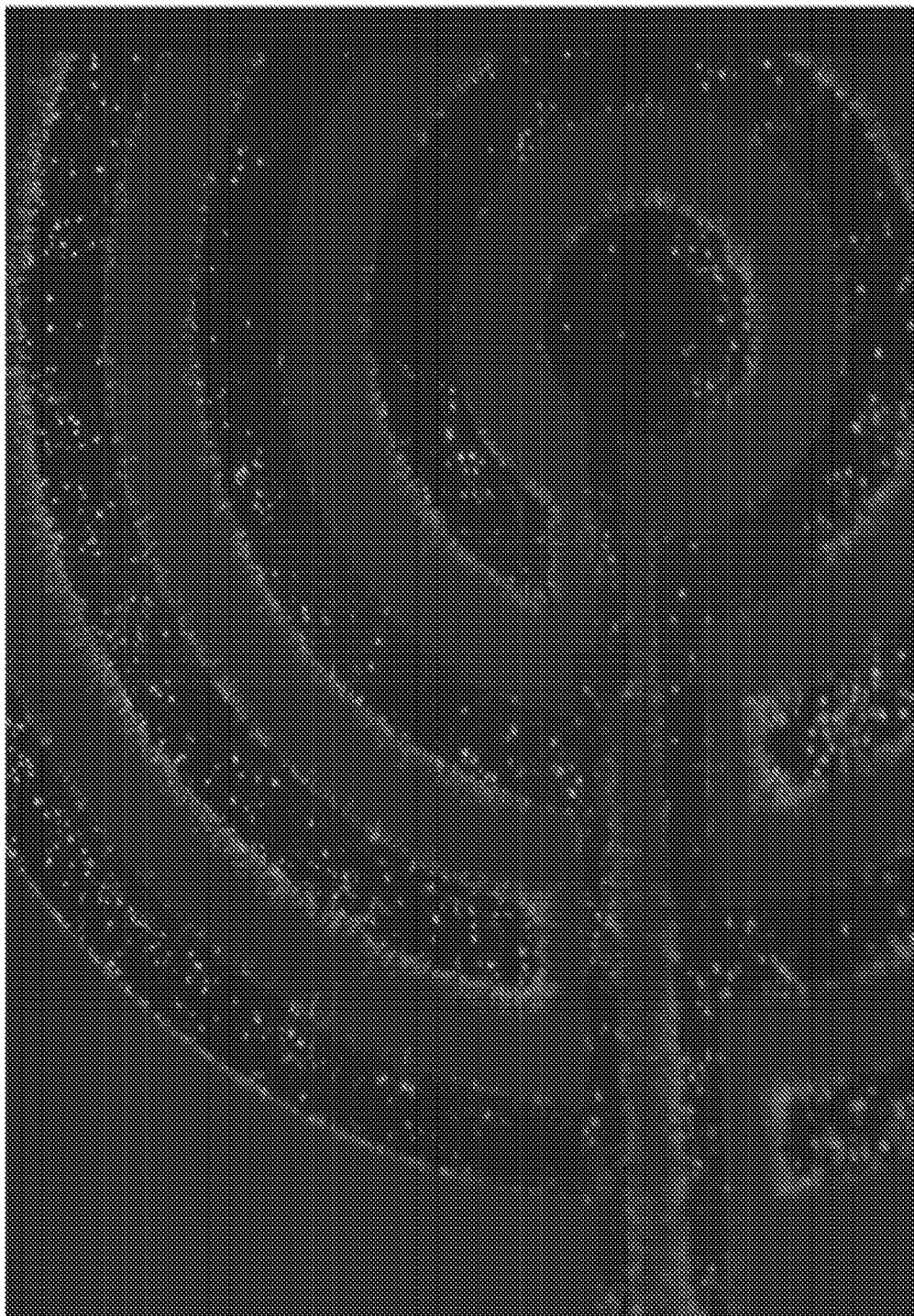
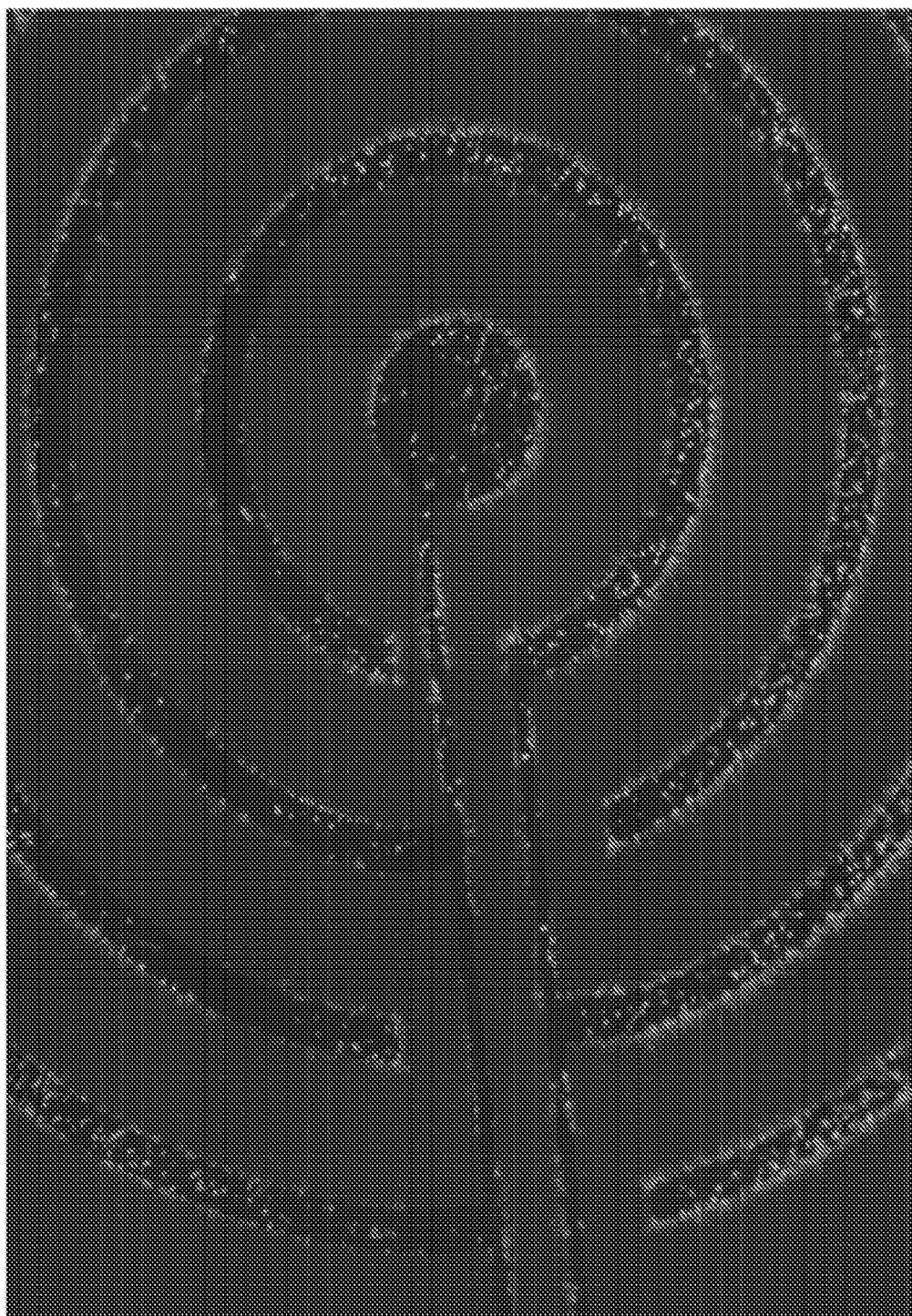


FIG. 16B



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FIG. 17A

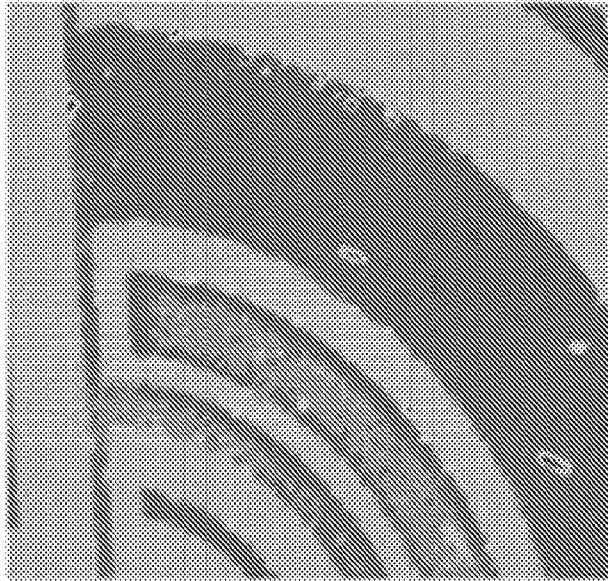


FIG. 17B

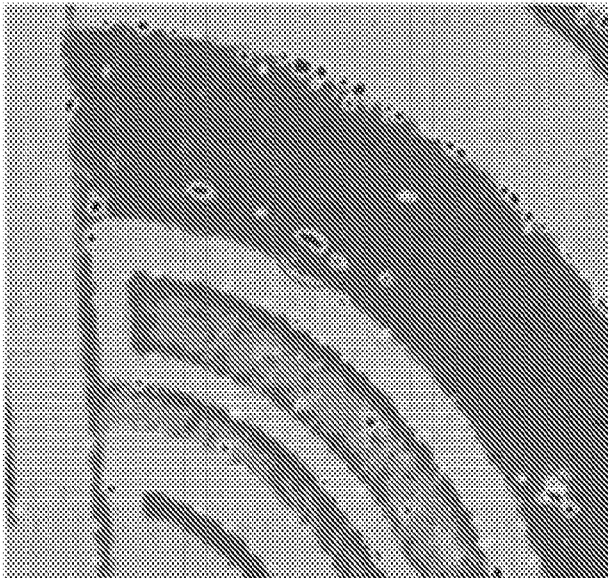
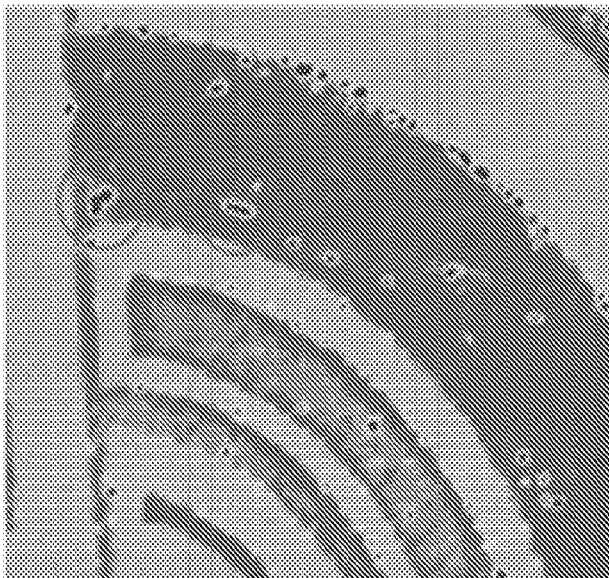


FIG. 17C



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FIG. 18



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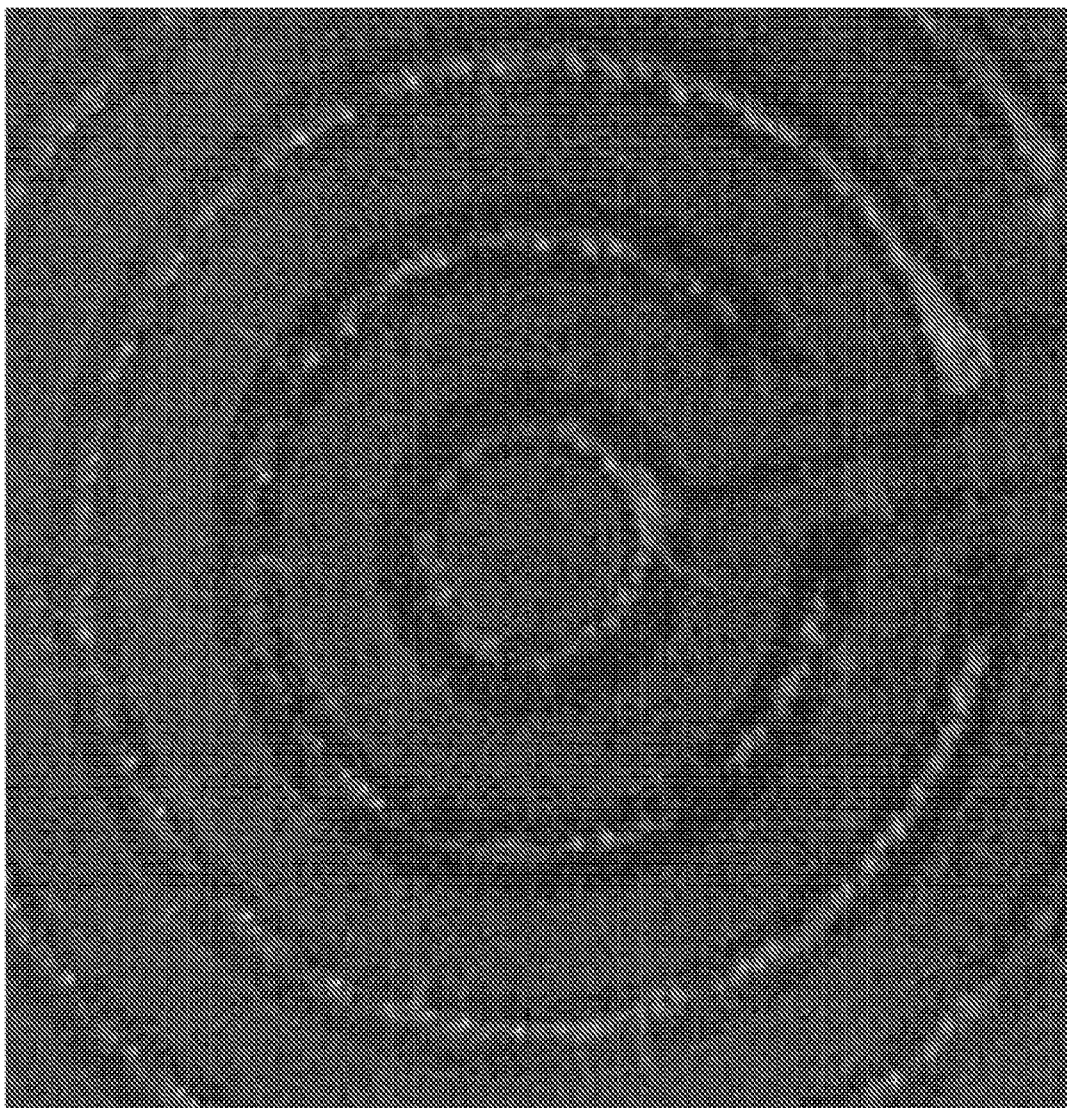


FIG. 19

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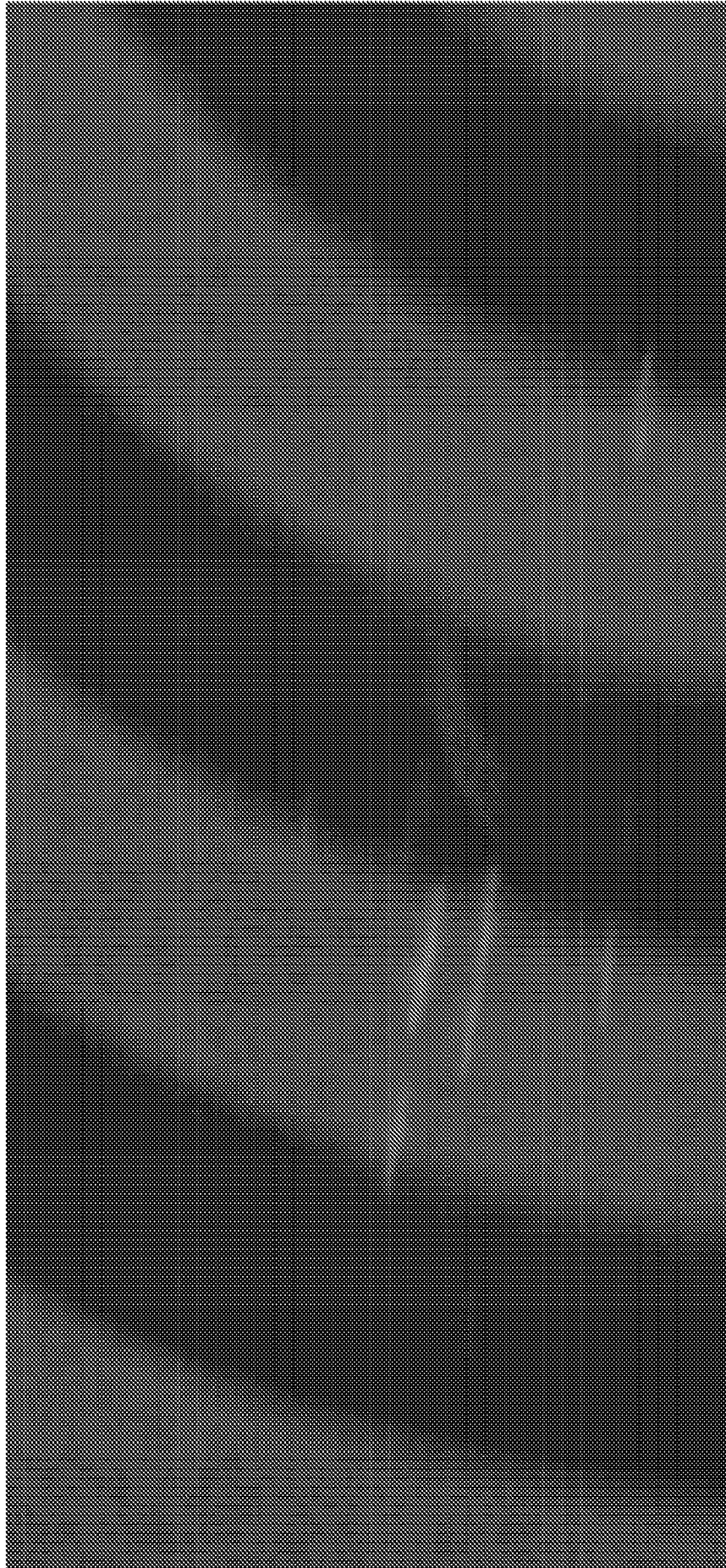


FIG. 20

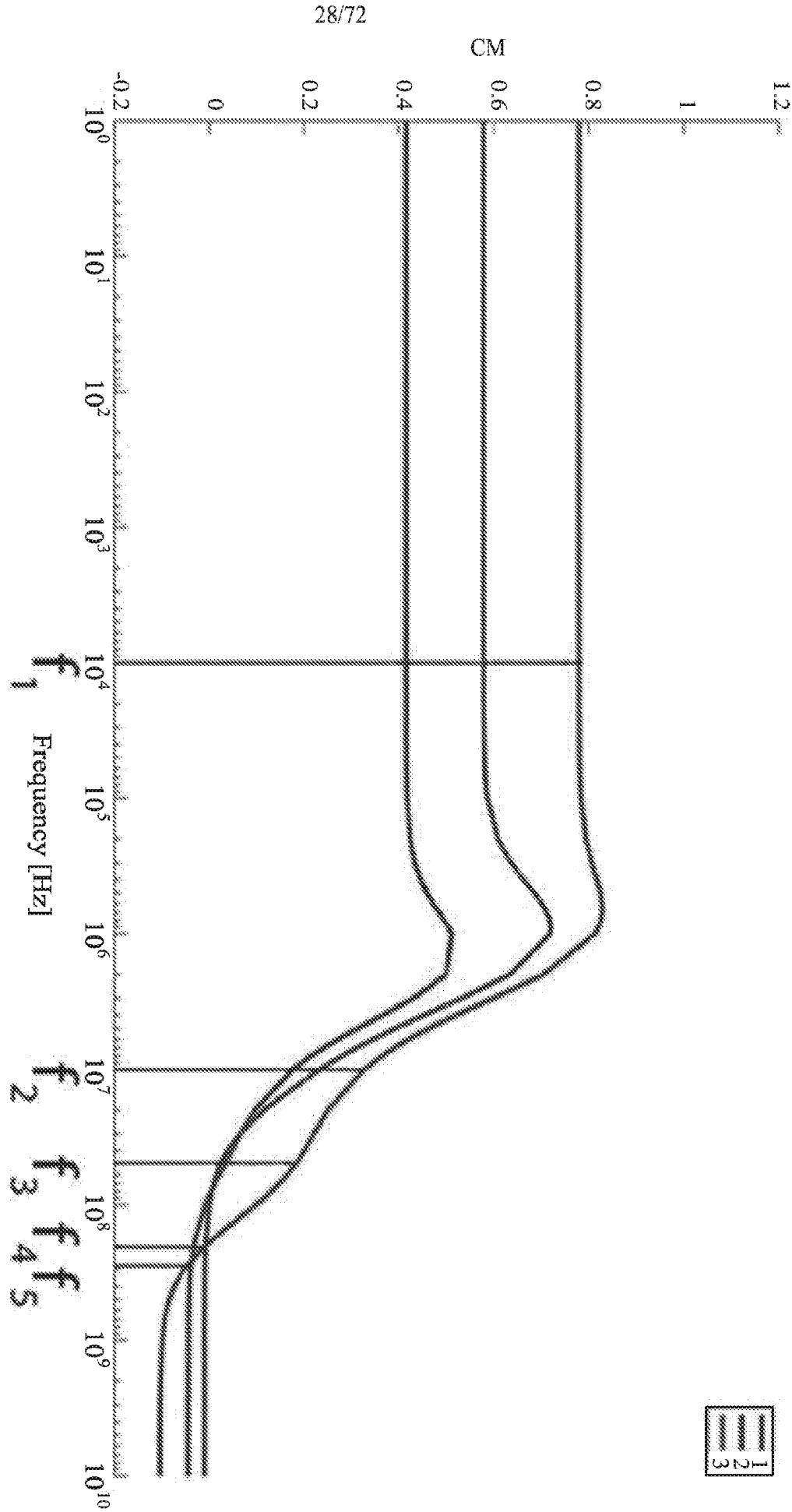


FIG. 21

FIG. 22



FIG. 23



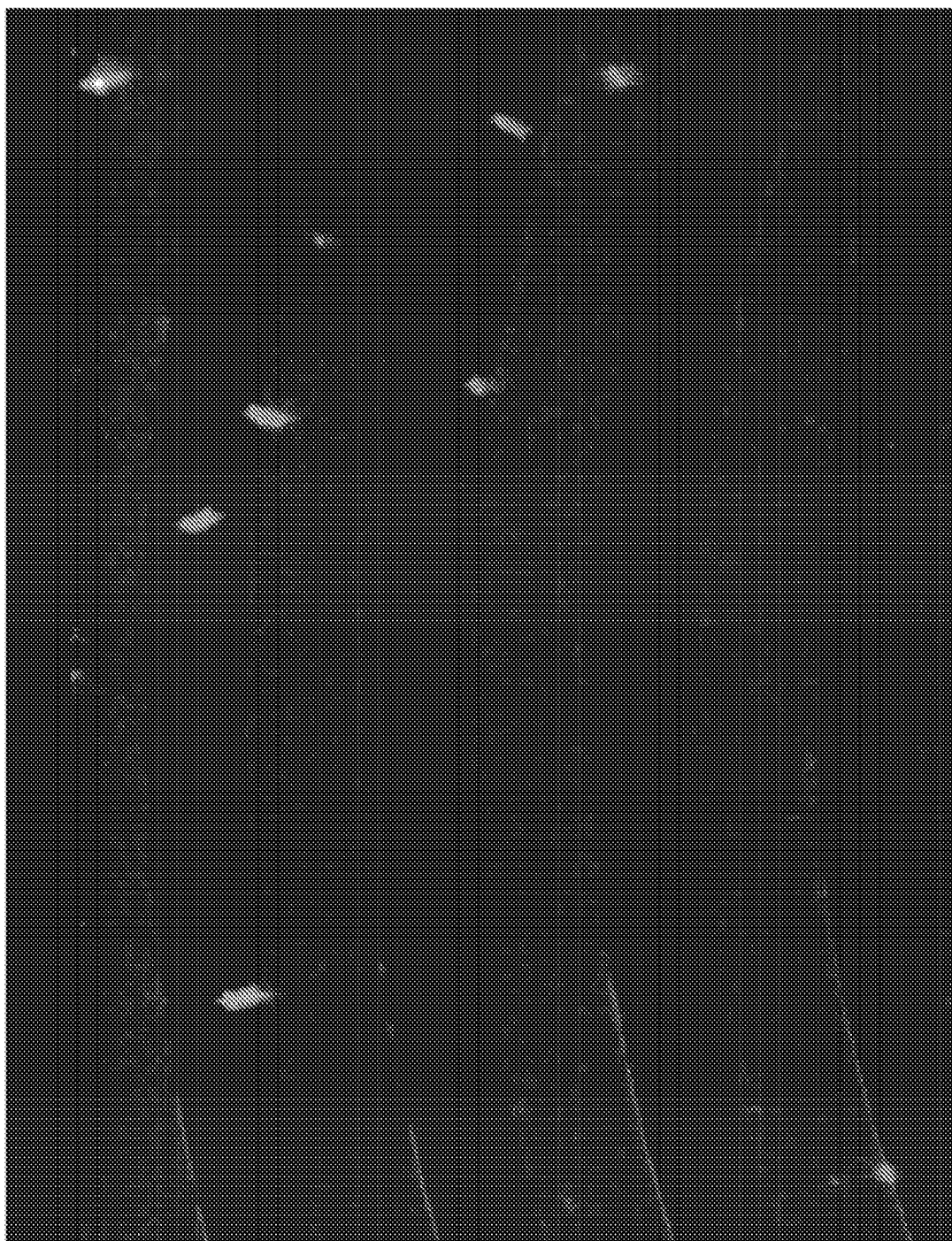


FIG. 24

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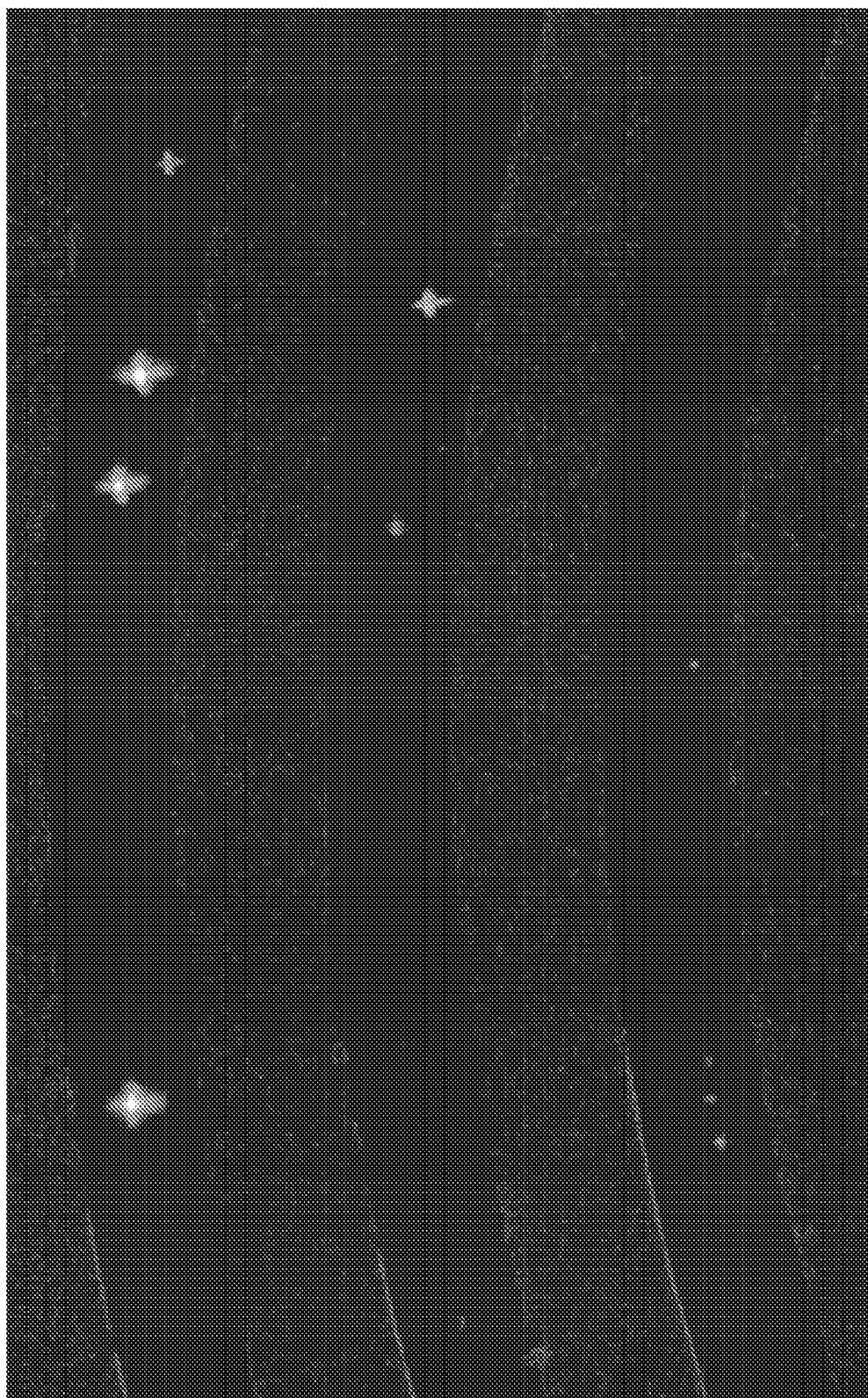


FIG. 25

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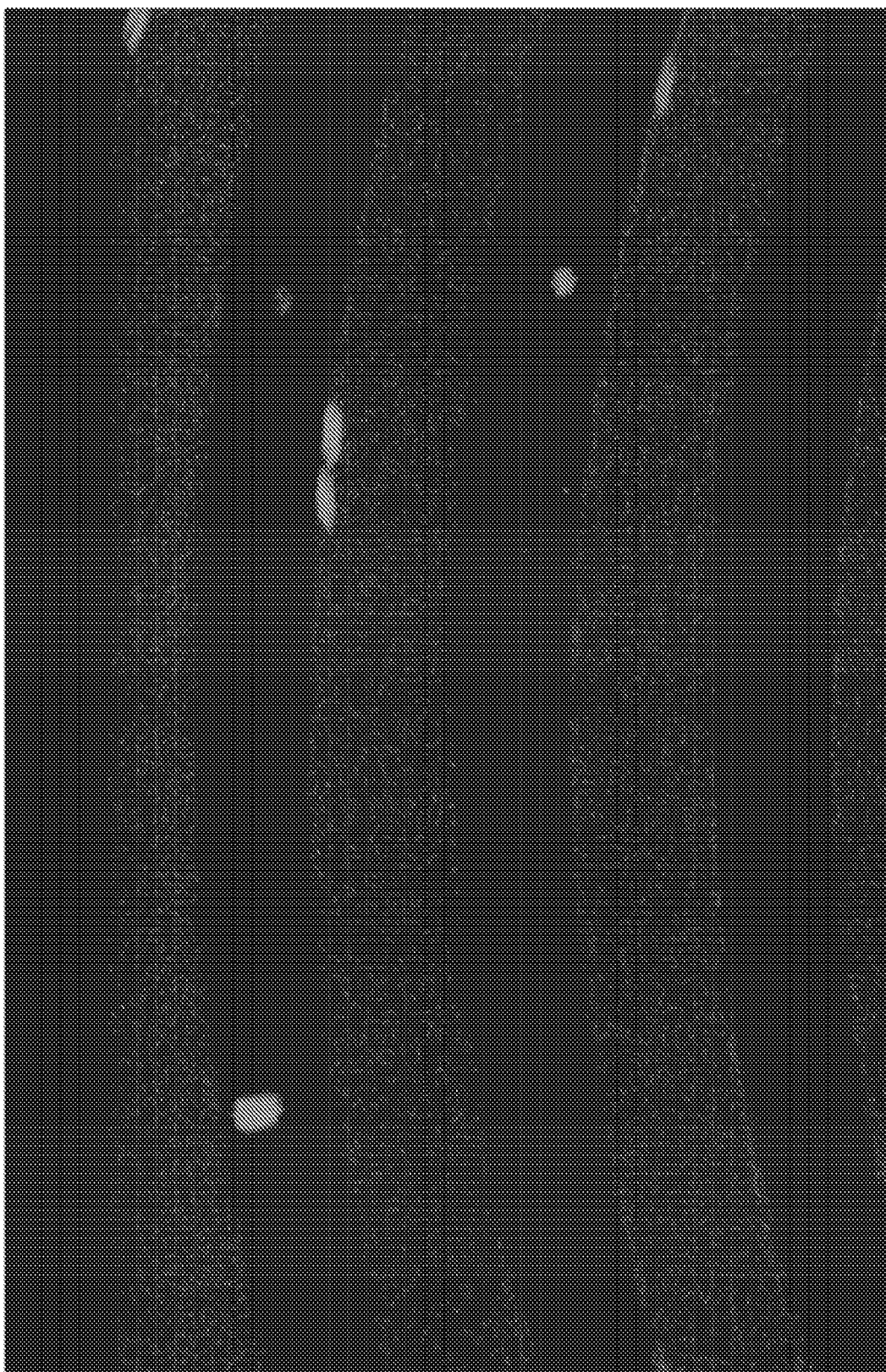
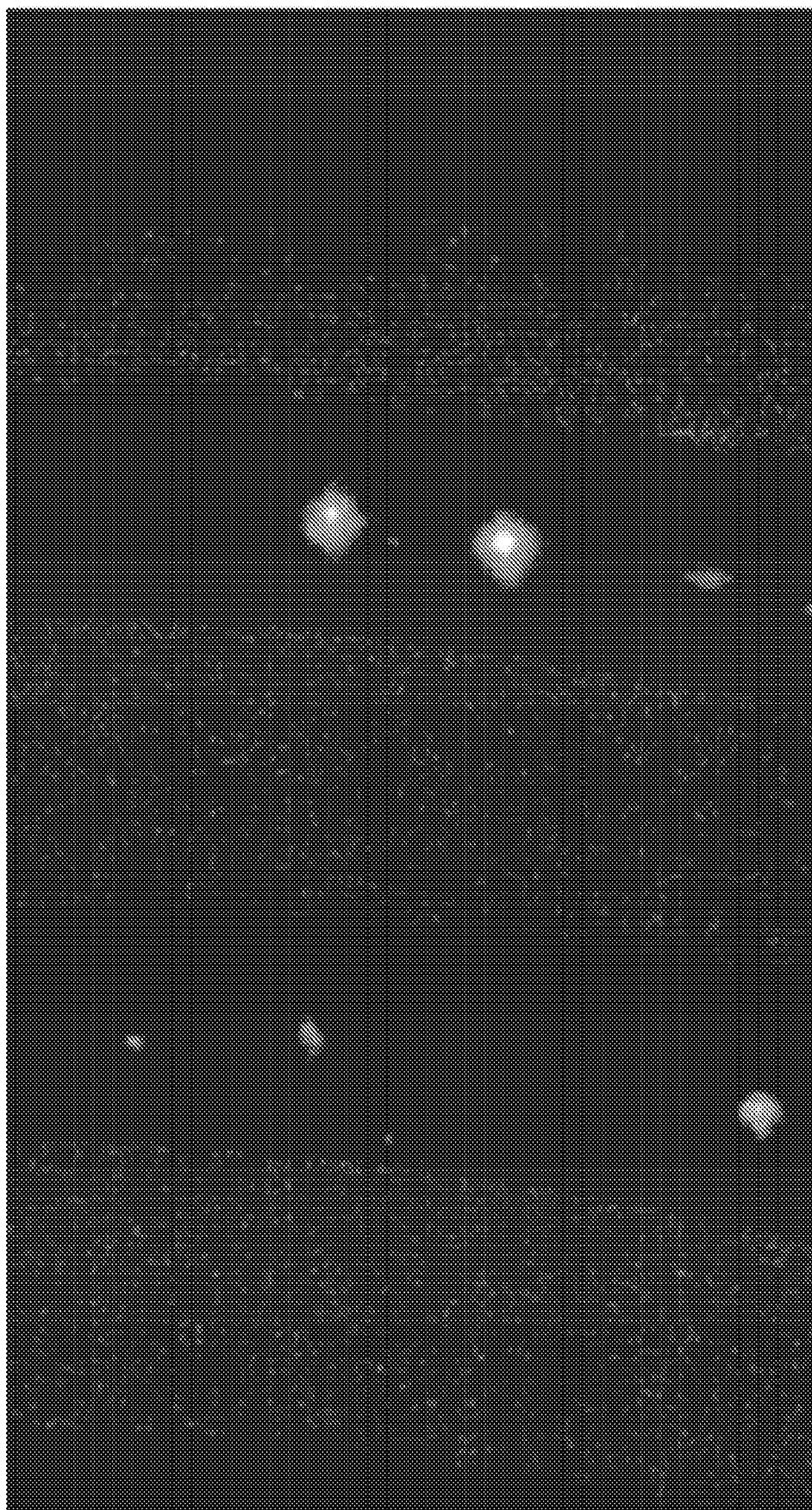


FIG. 26

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FIG. 27



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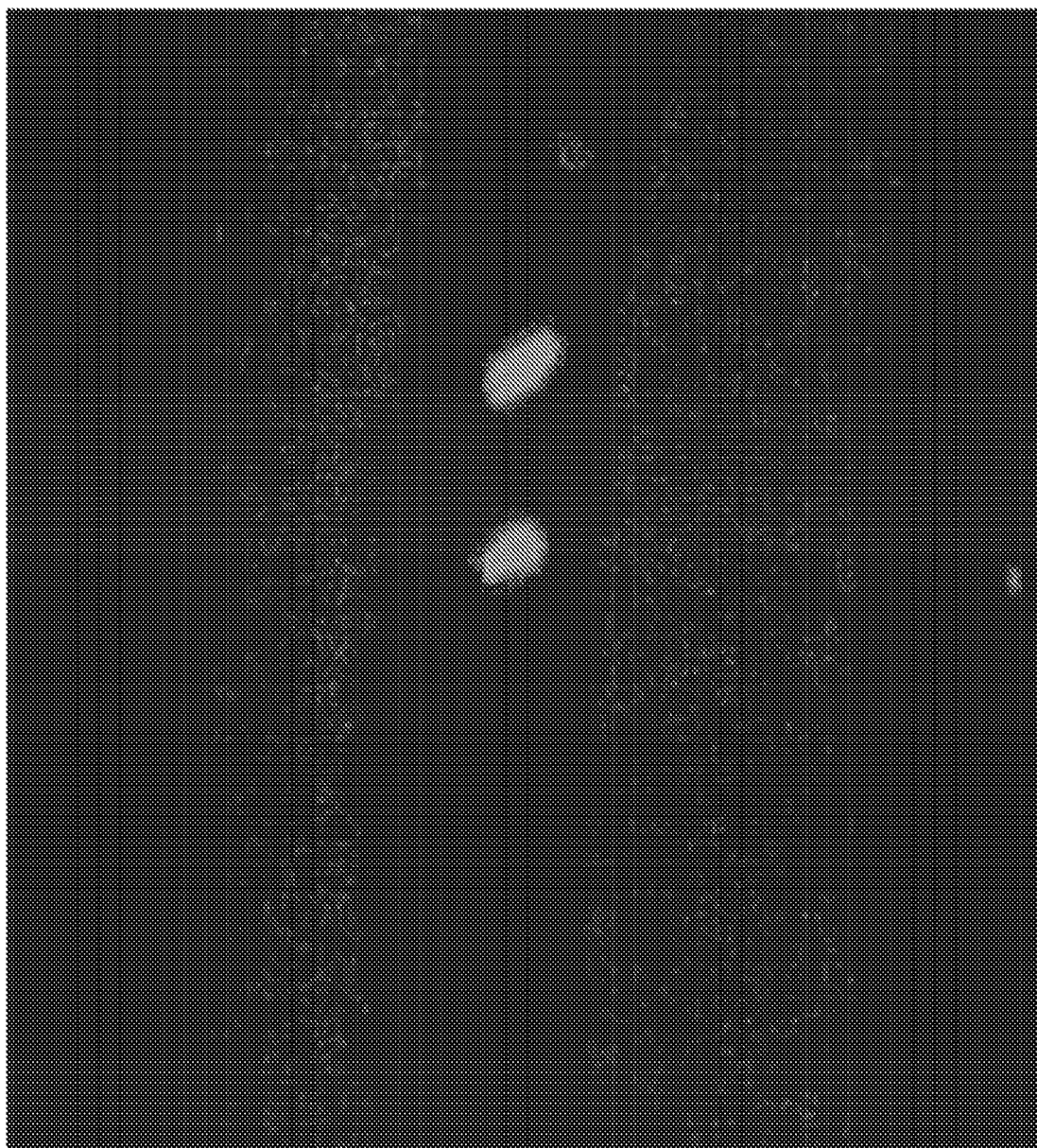


FIG. 28

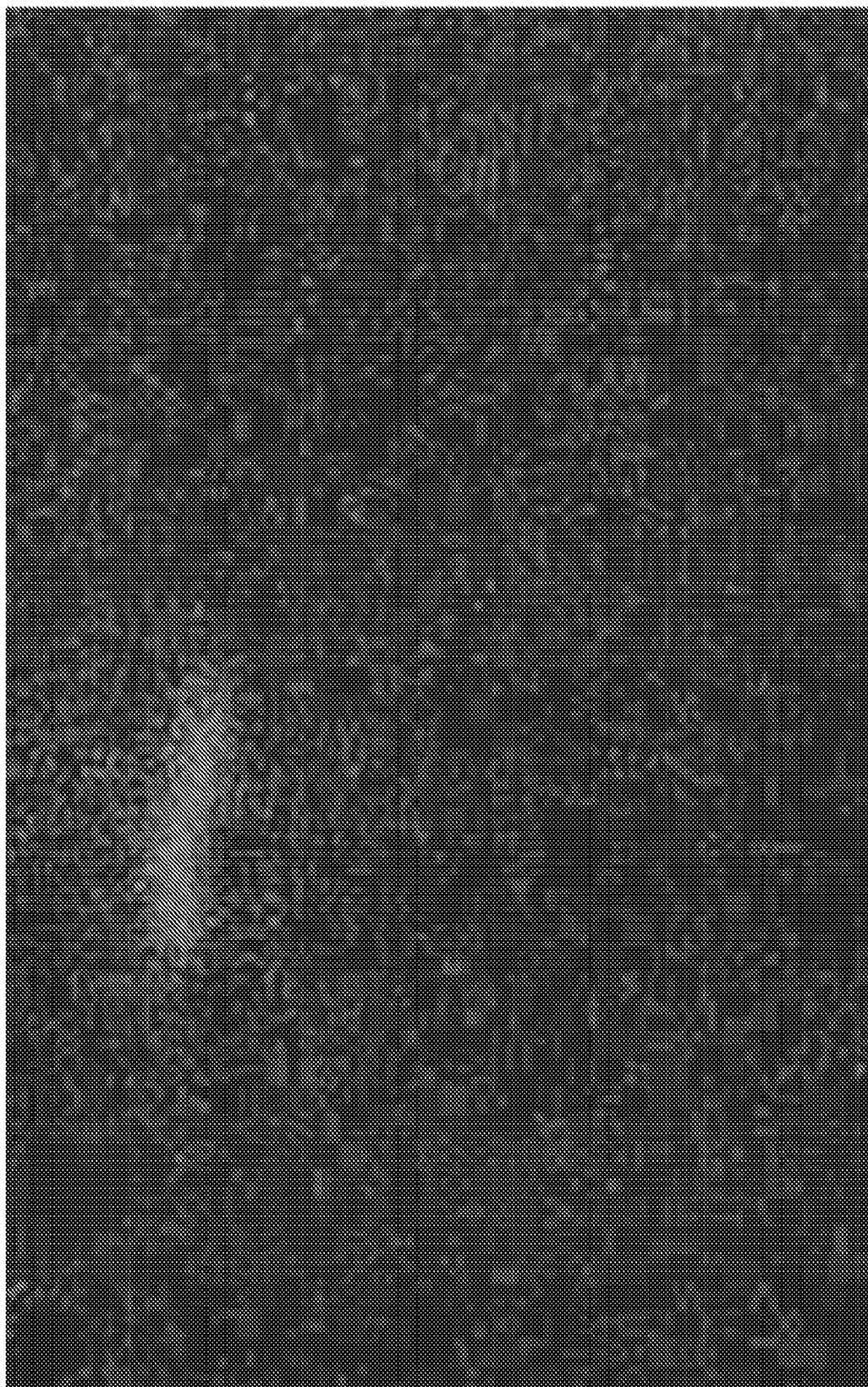
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FIG. 29



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FIG. 30



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FIG. 31



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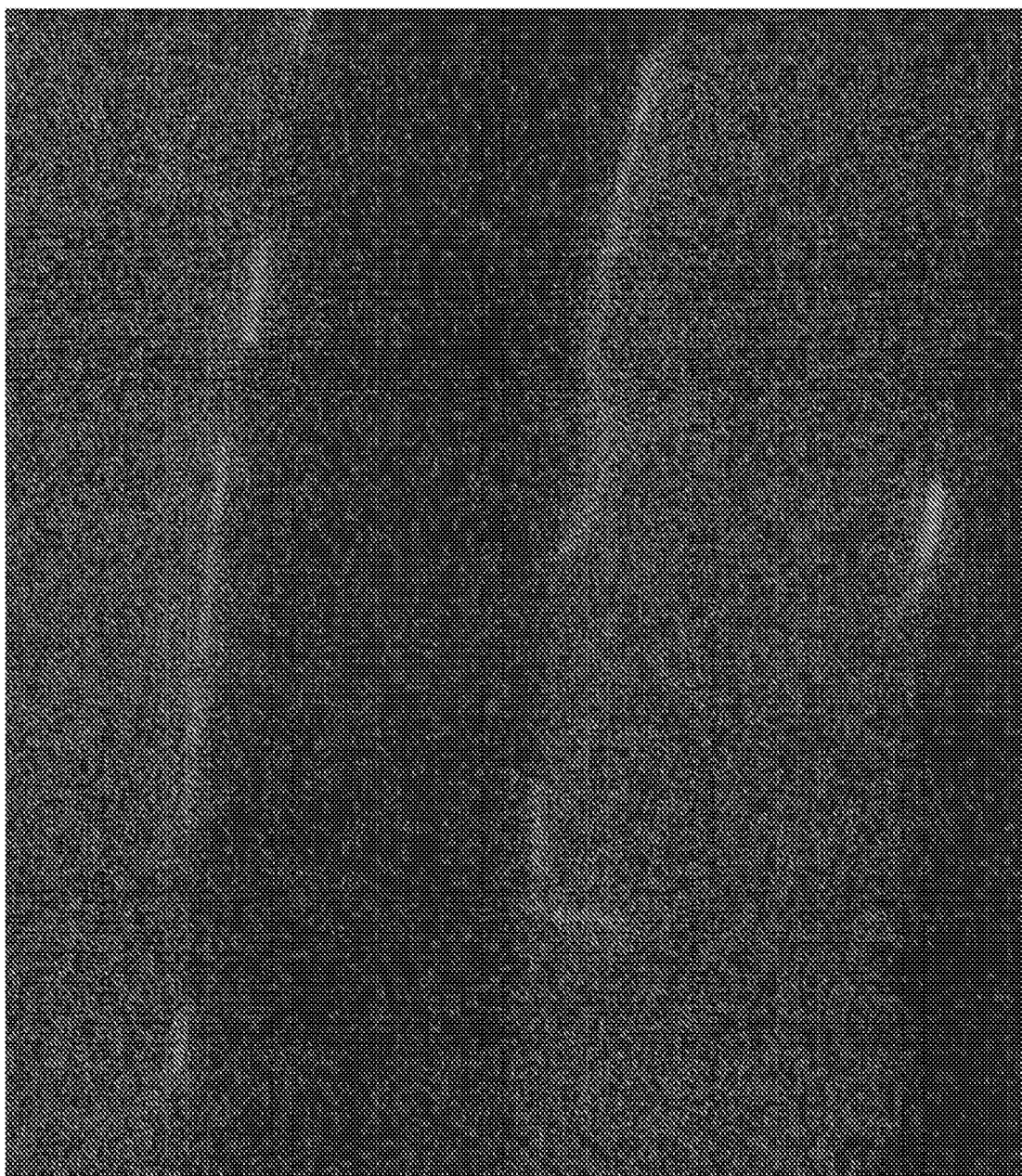
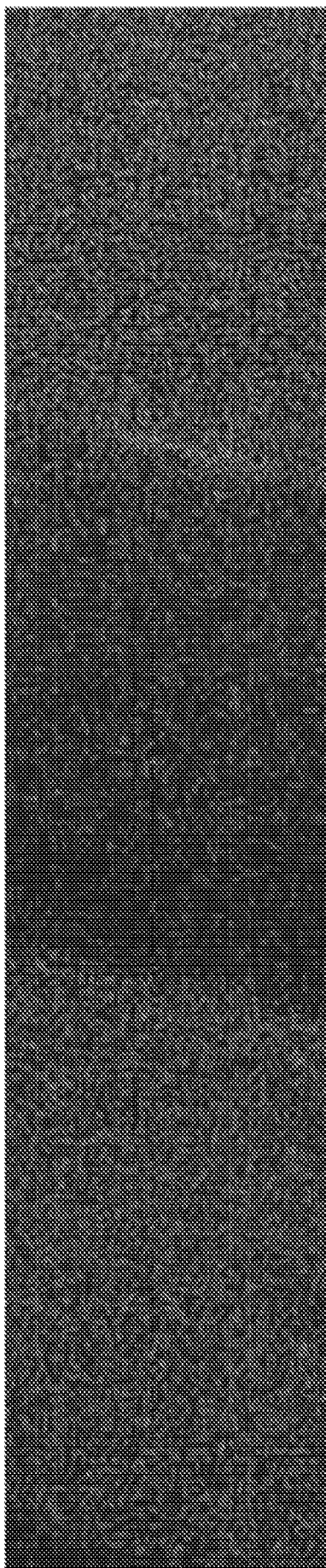


FIG. 32

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FIG. 33



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FIG. 34

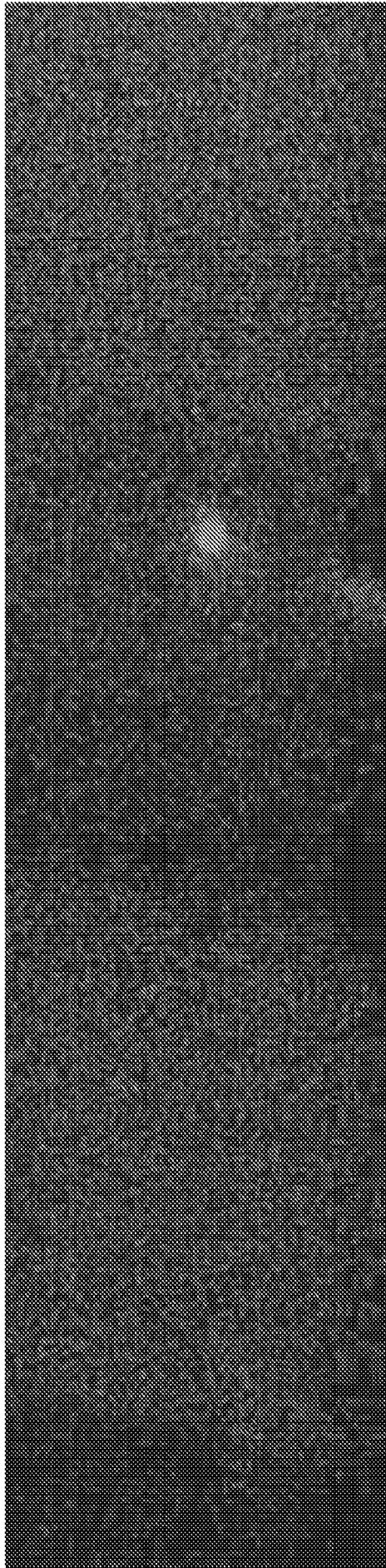


FIG. 35A

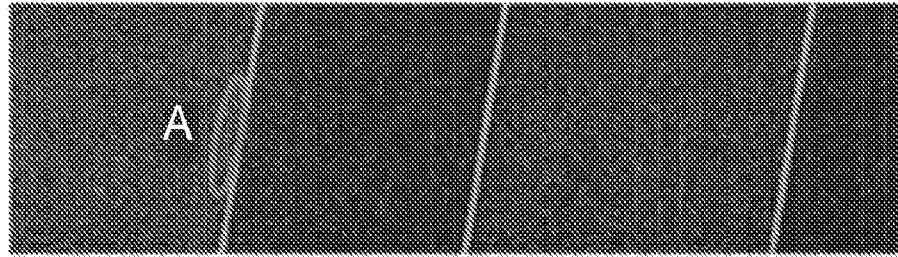


FIG. 35B

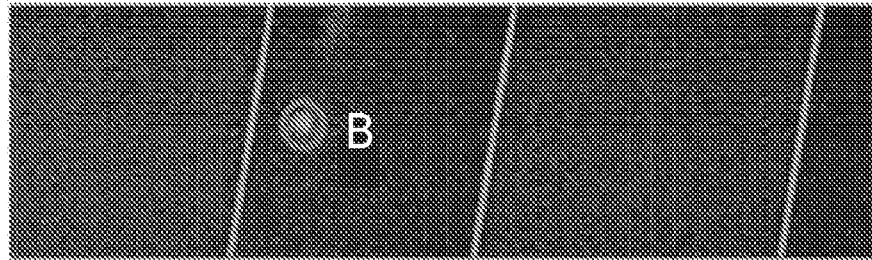


FIG. 35C

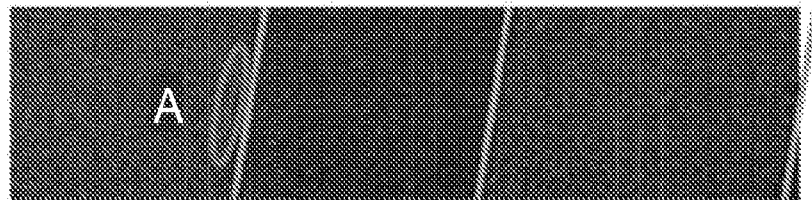


FIG. 35D

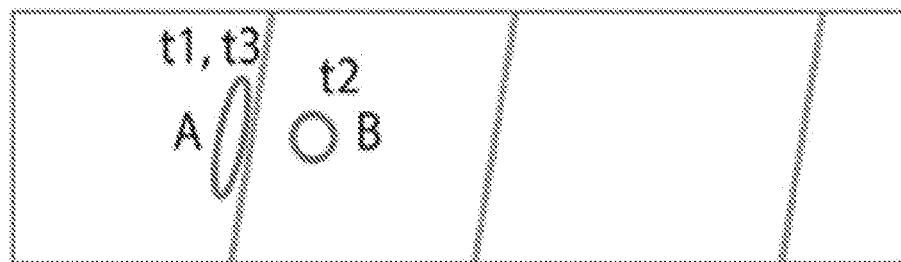


FIG. 35E

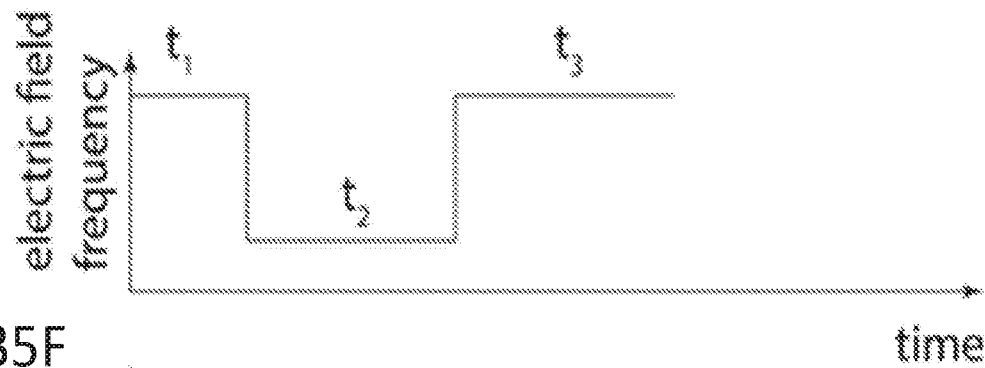


FIG. 35F

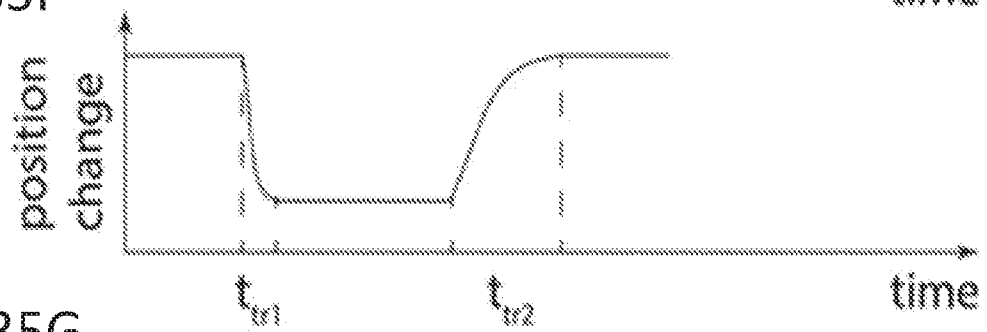


FIG. 35G

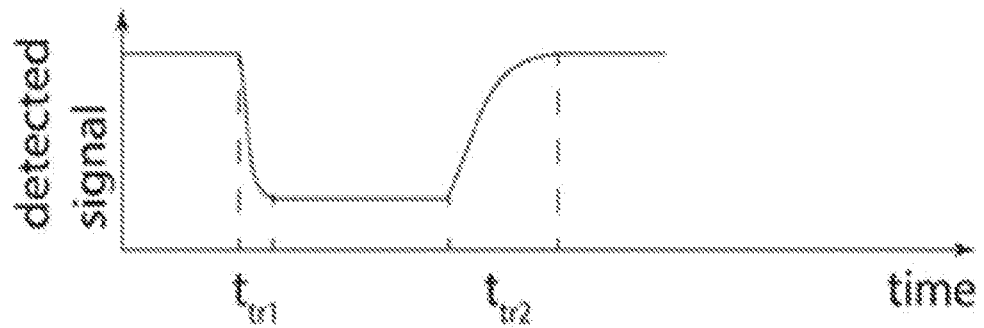


FIG. 36A

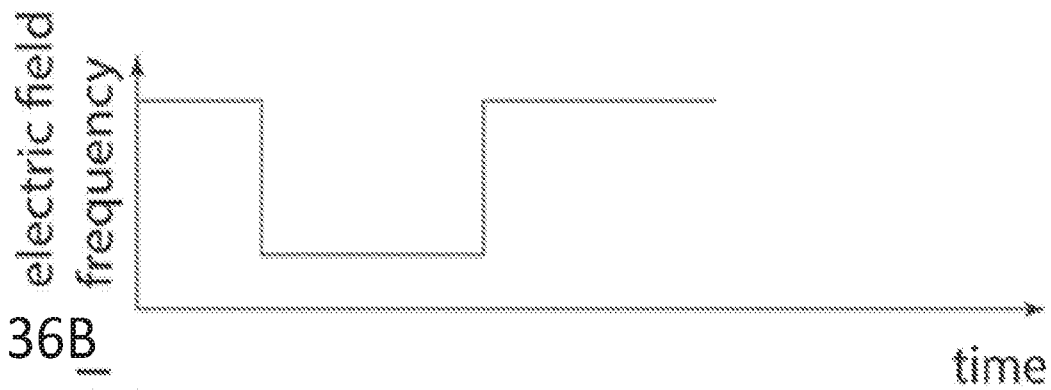


FIG. 36B

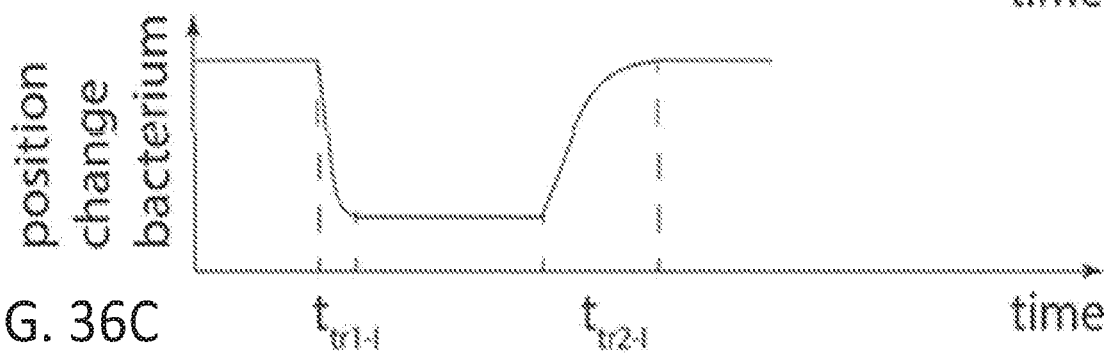


FIG. 36C

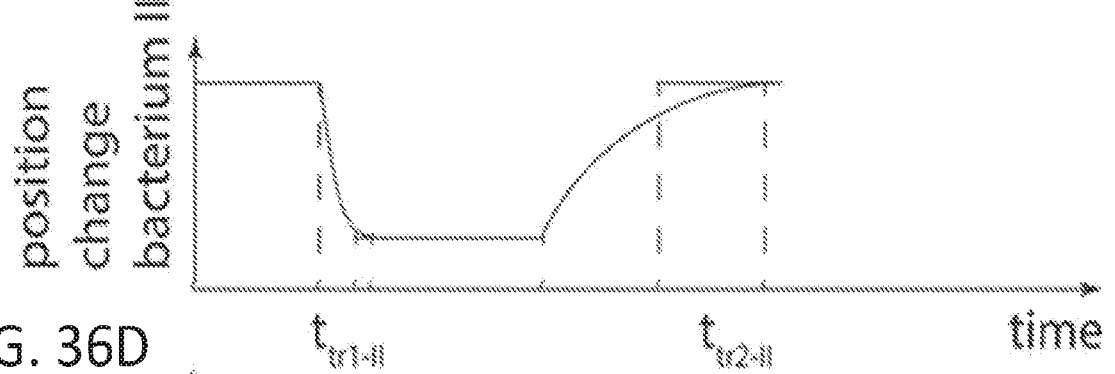
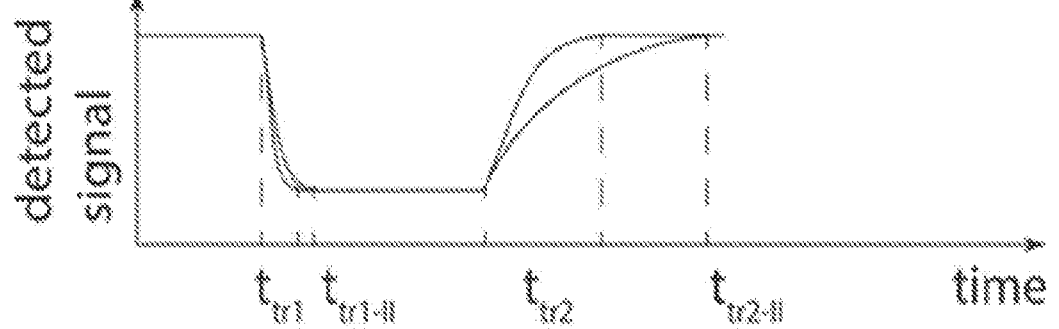


FIG. 36D



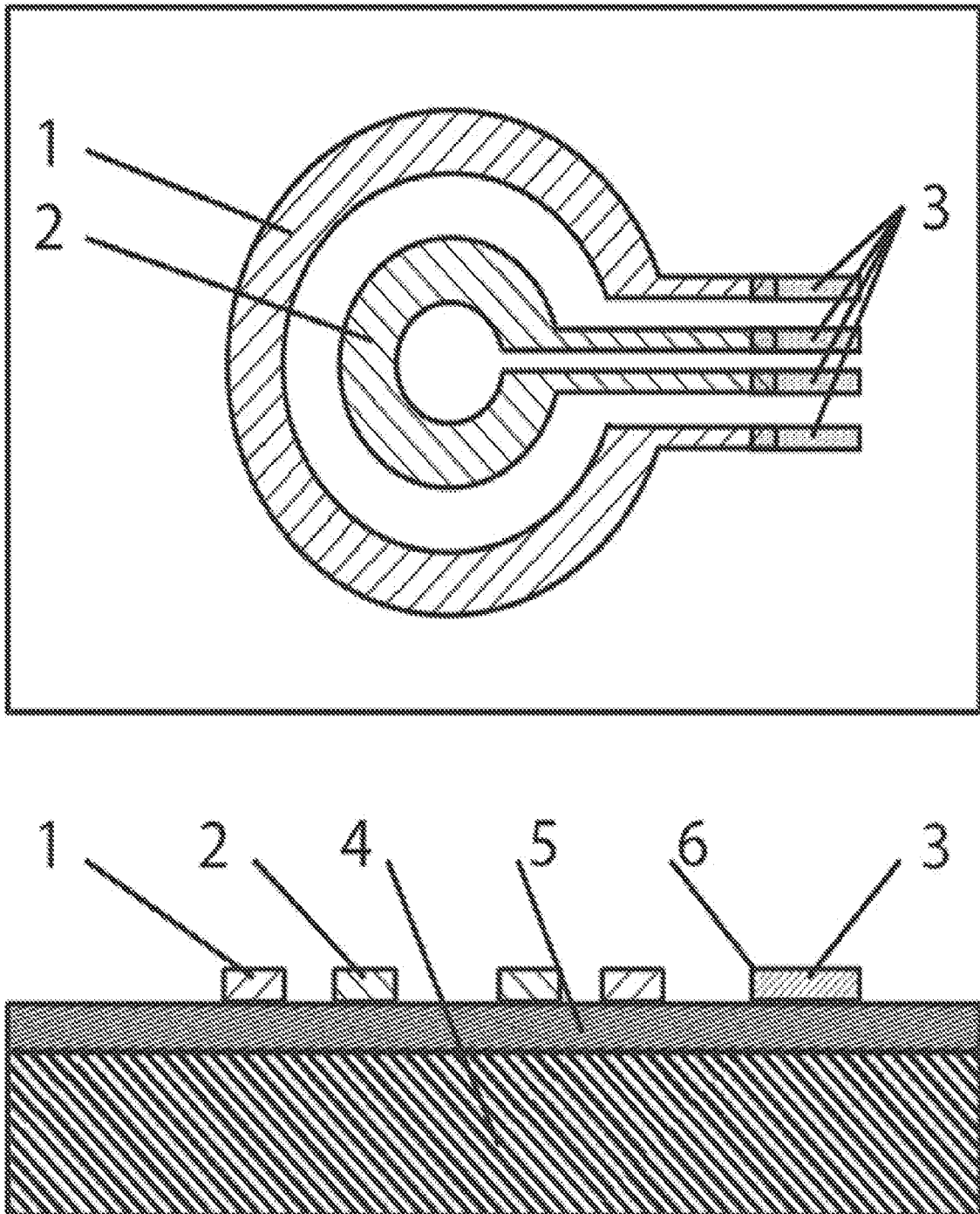


FIG. 37

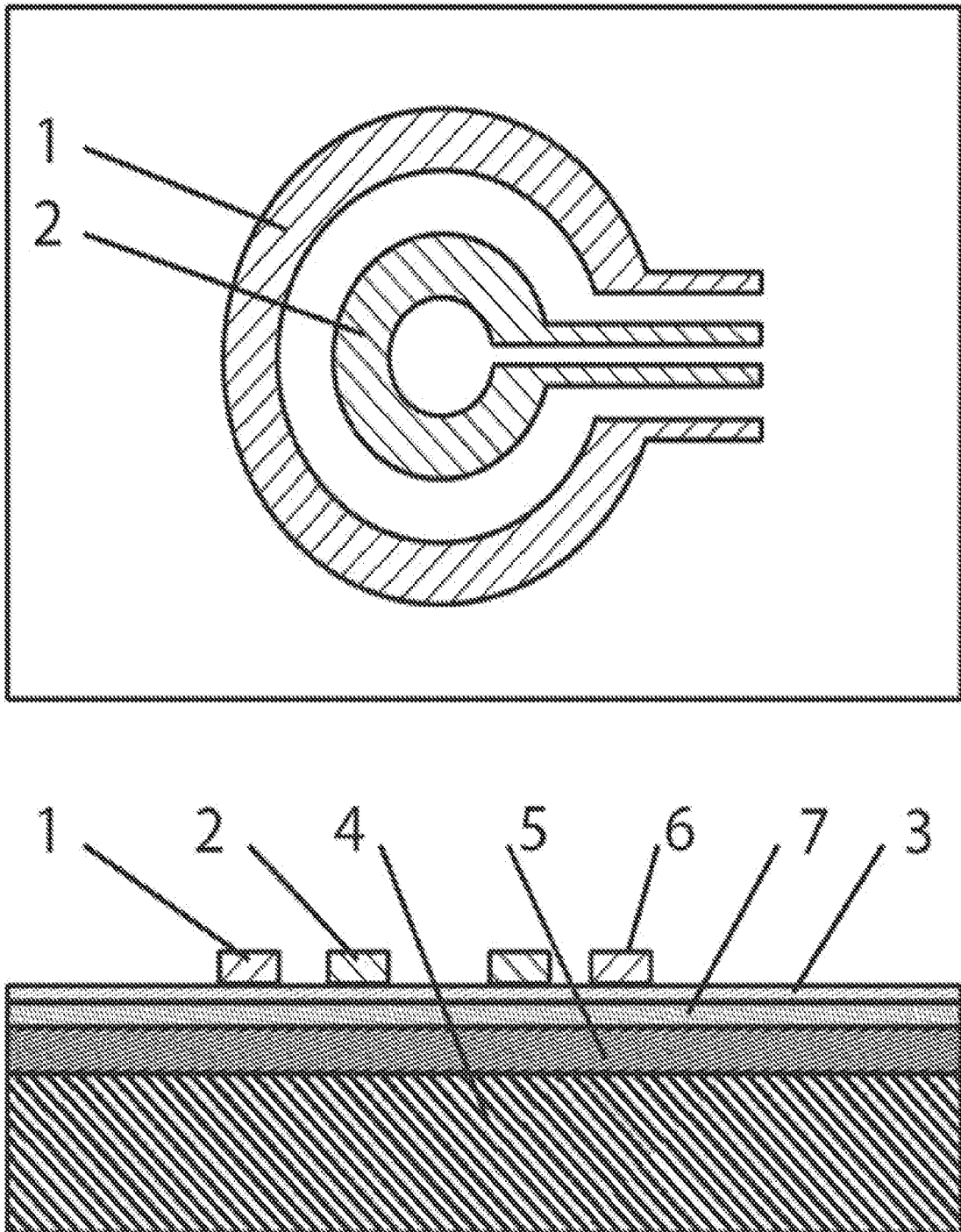
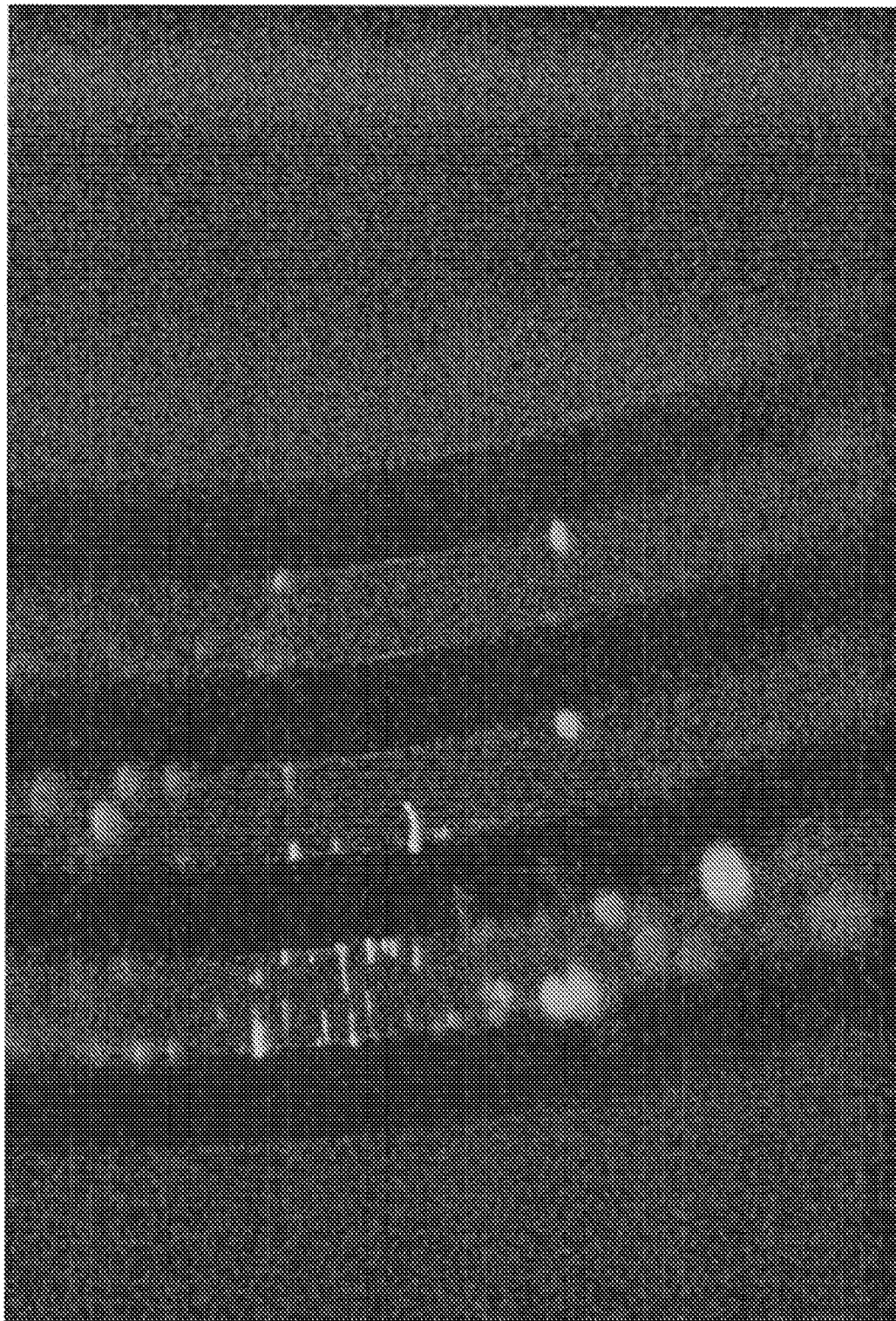


FIG. 38

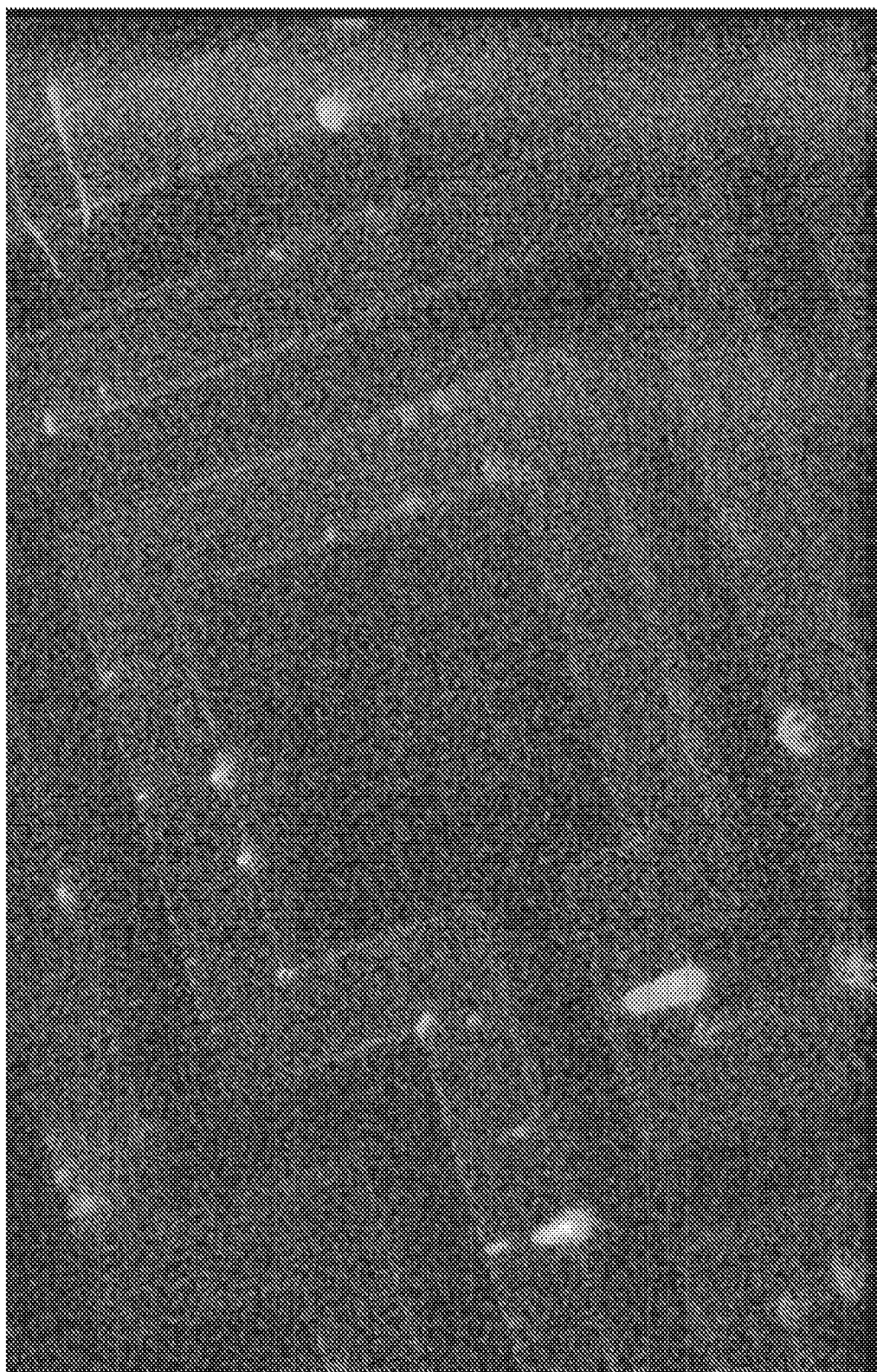
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FIG. 39



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FIG. 40



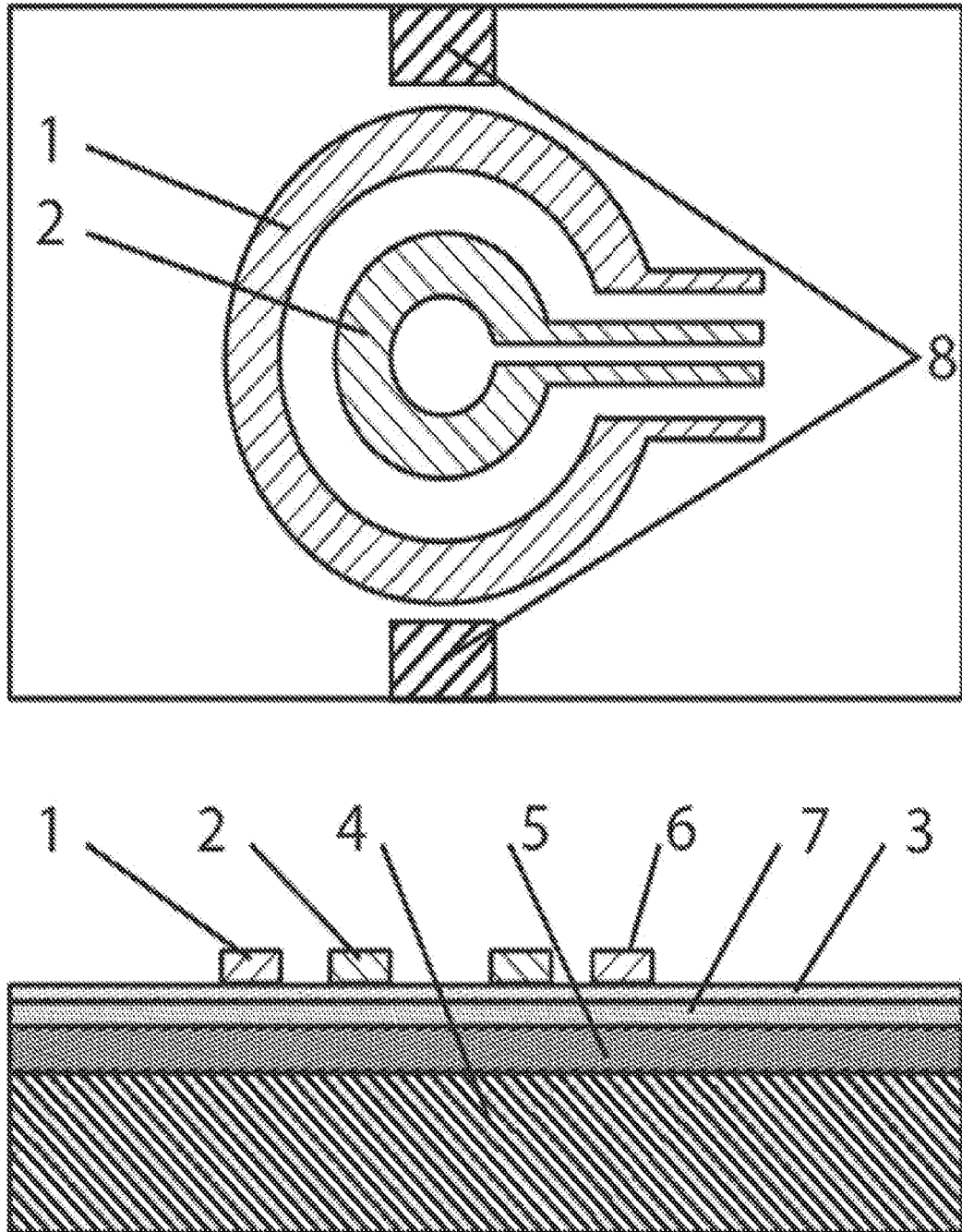


FIG. 41

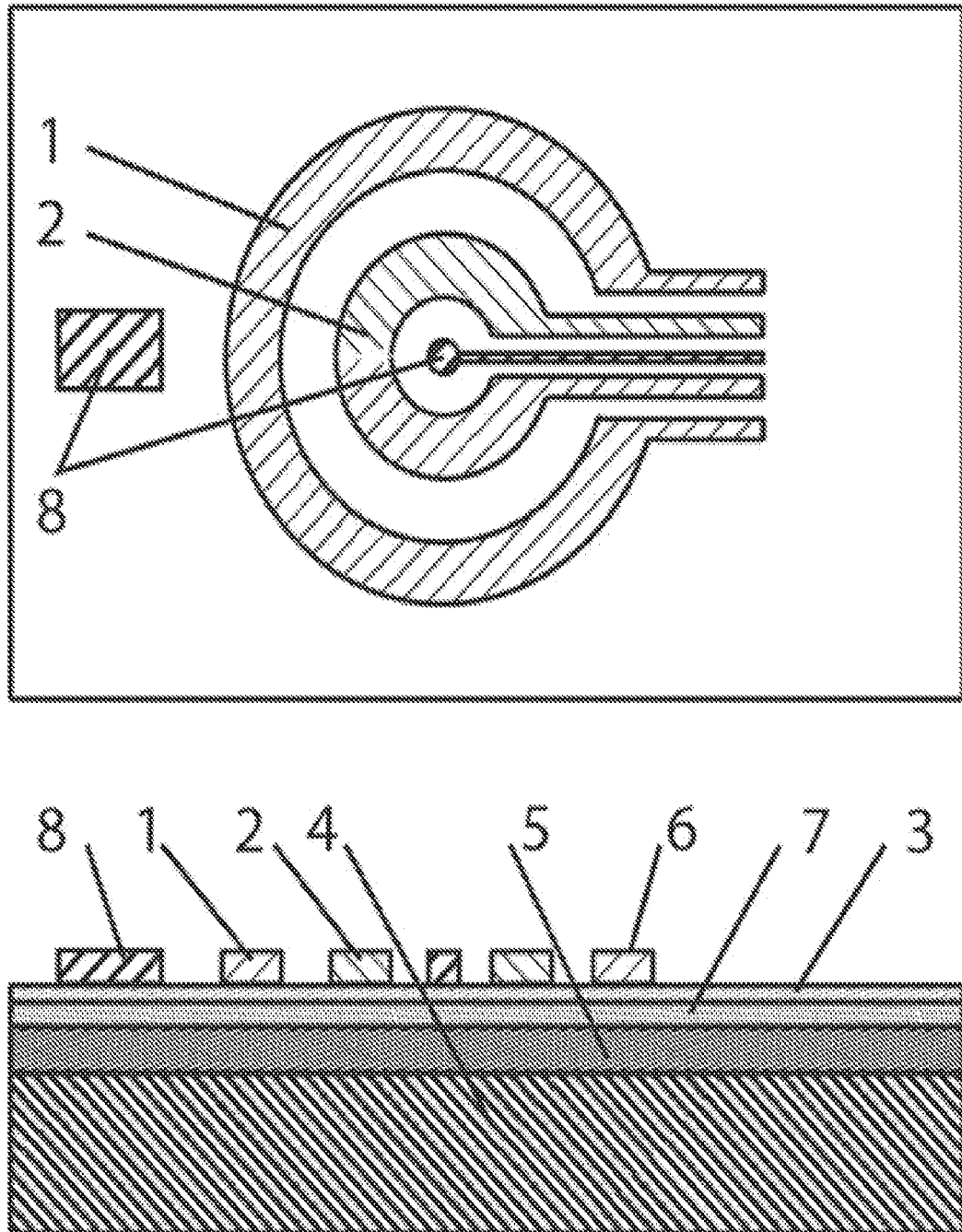


FIG. 42

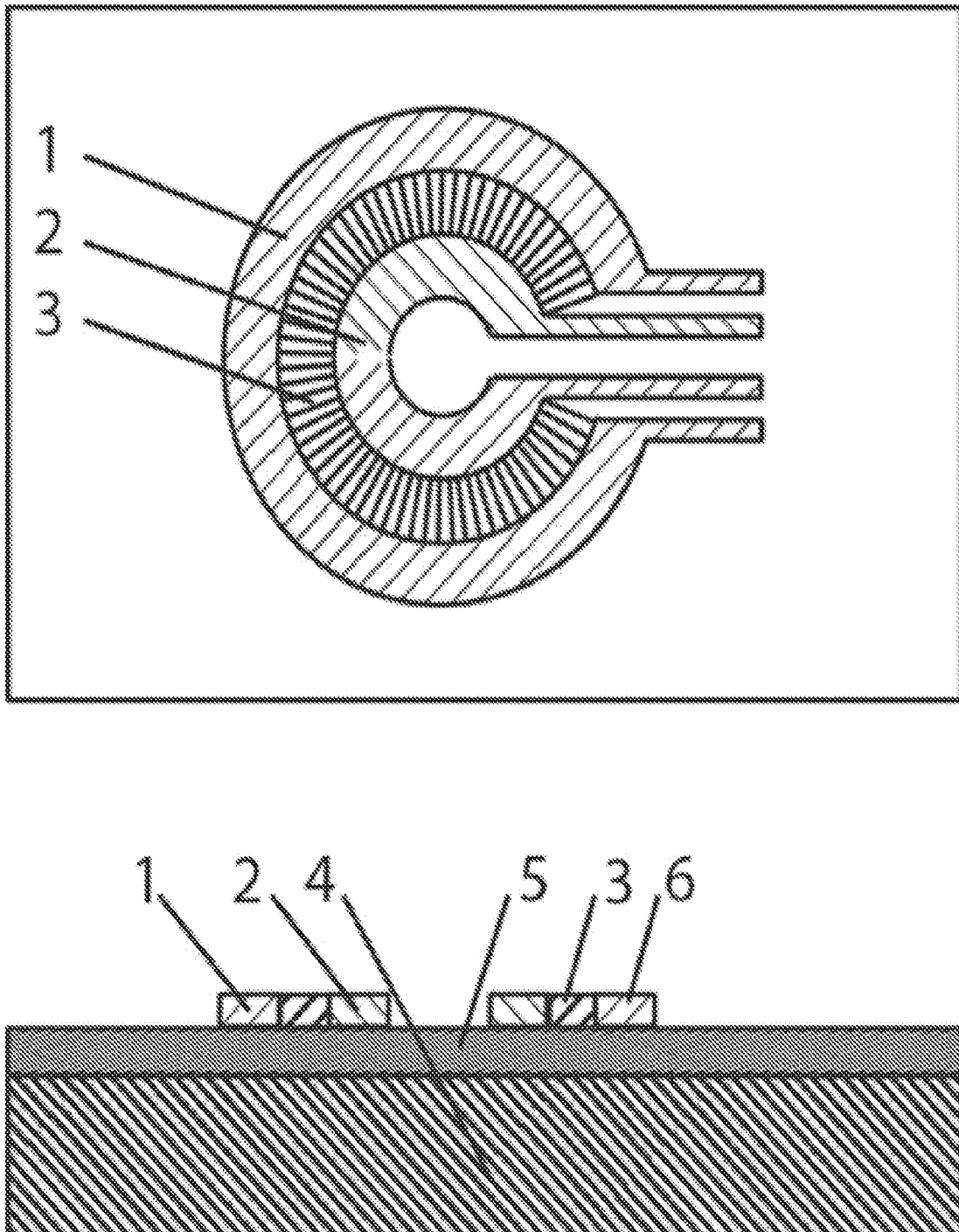


FIG. 43

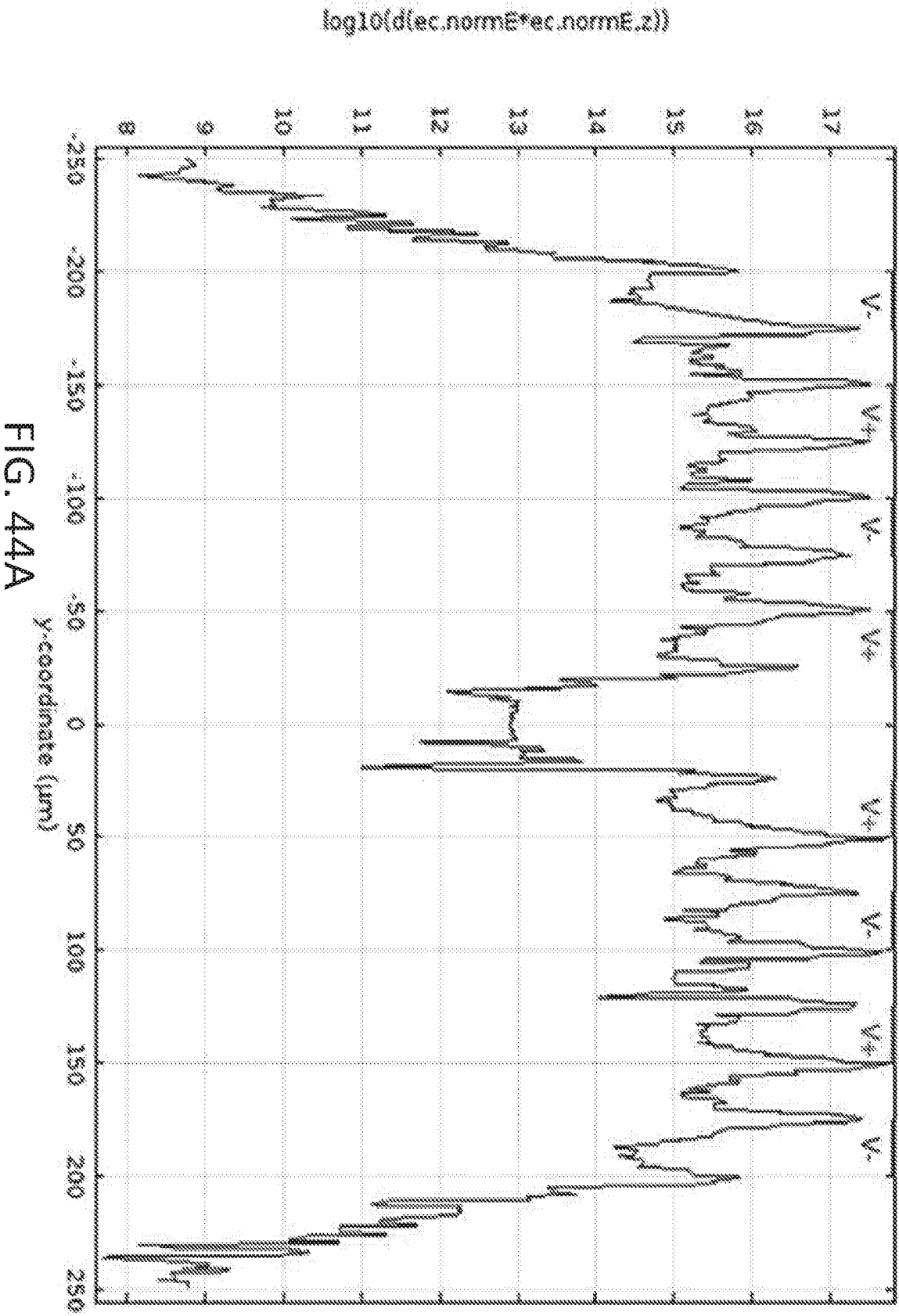


FIG. 44A

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$\log_{10}(d(ec.normE*ec.normE,z))$

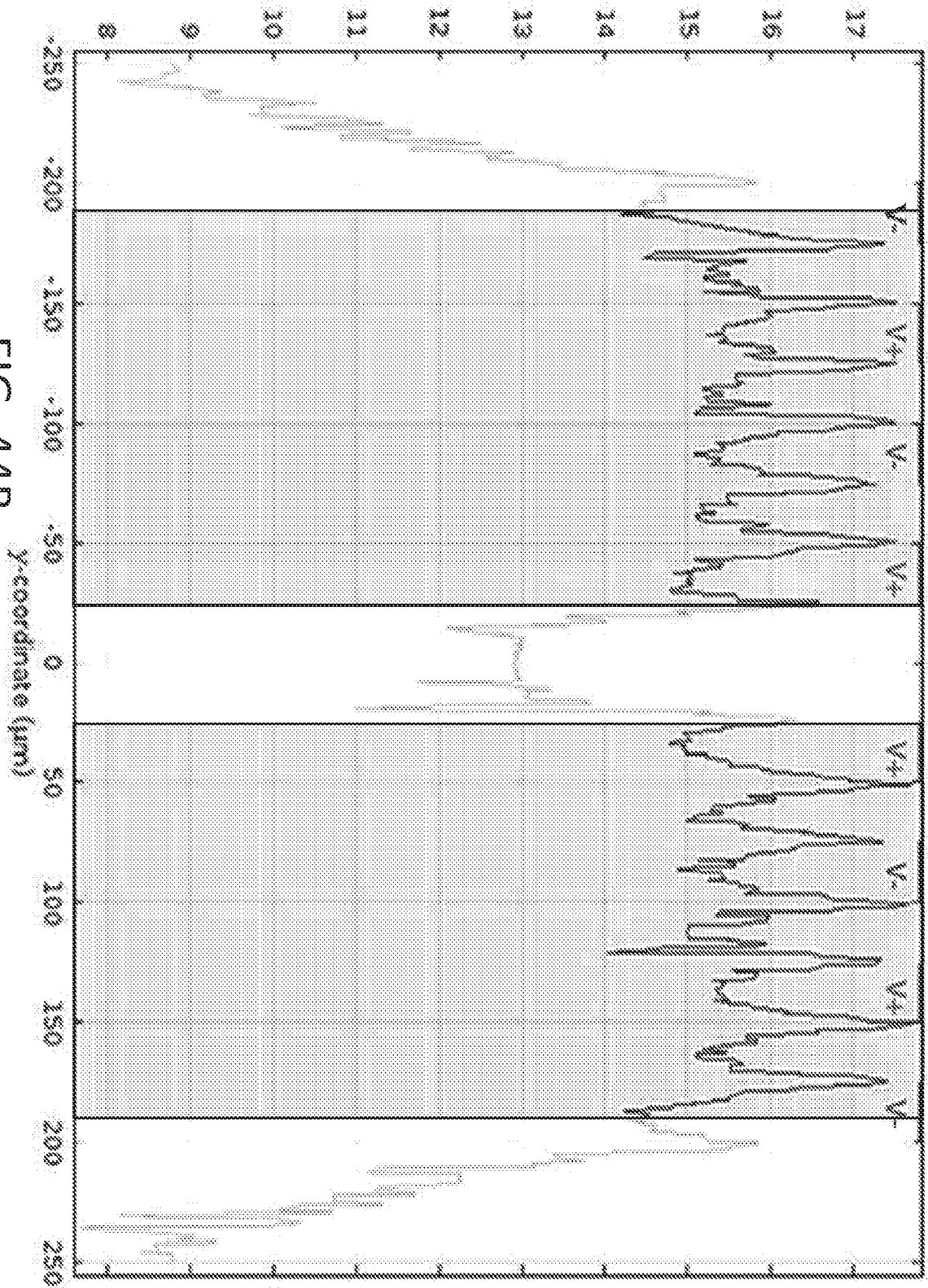


FIG. 44B

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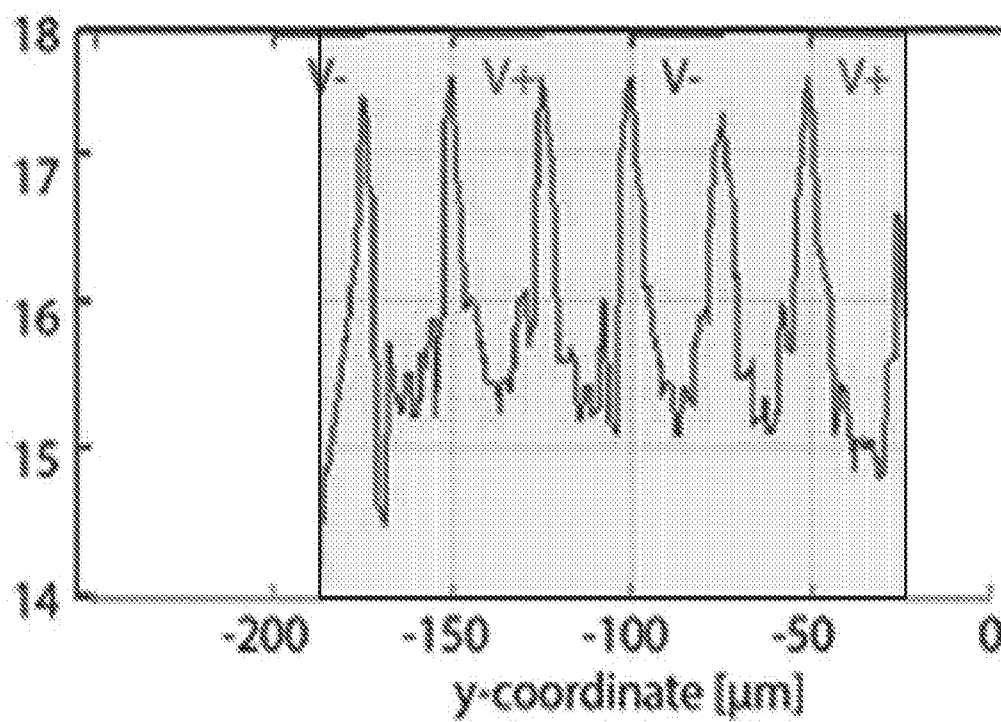
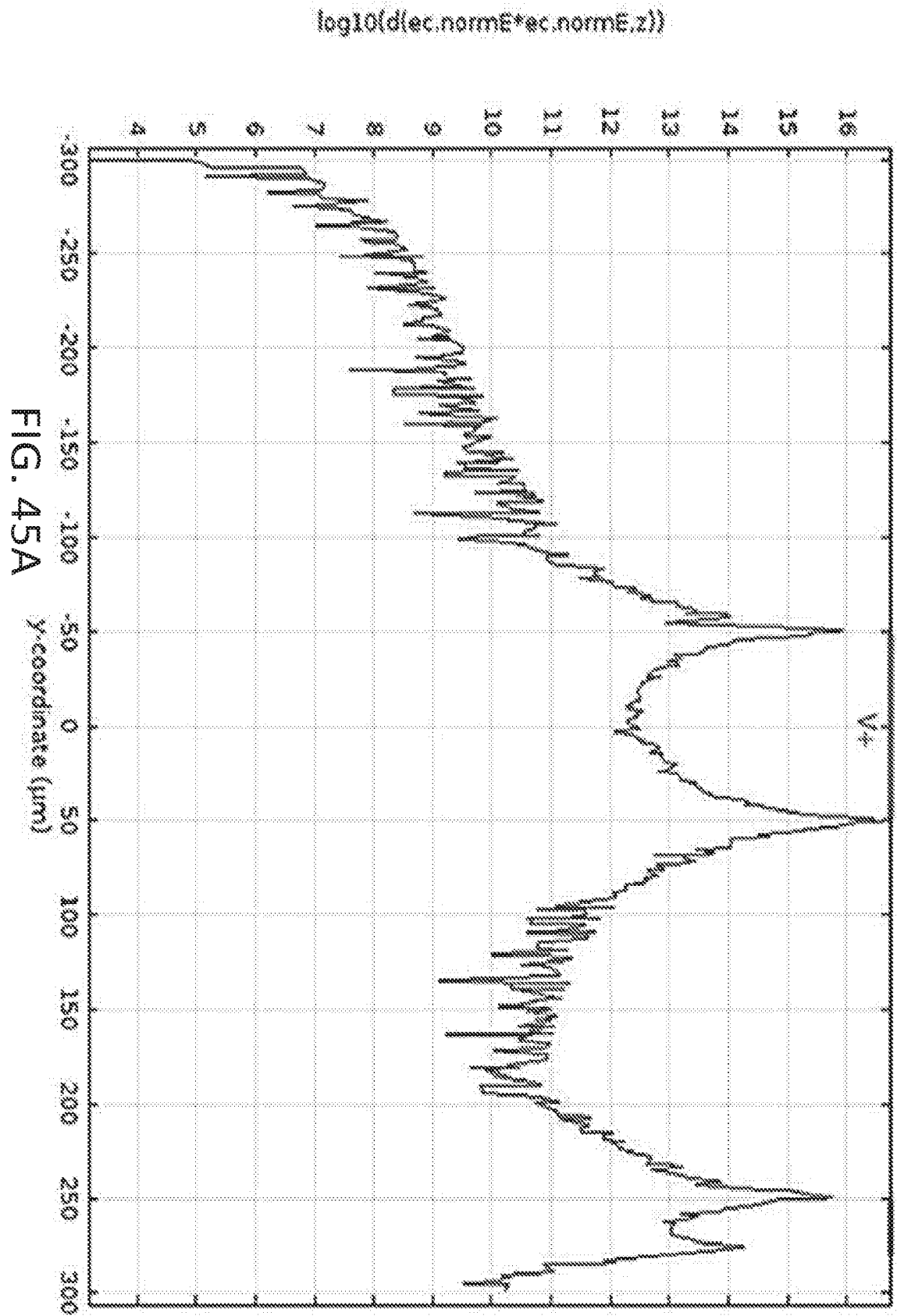
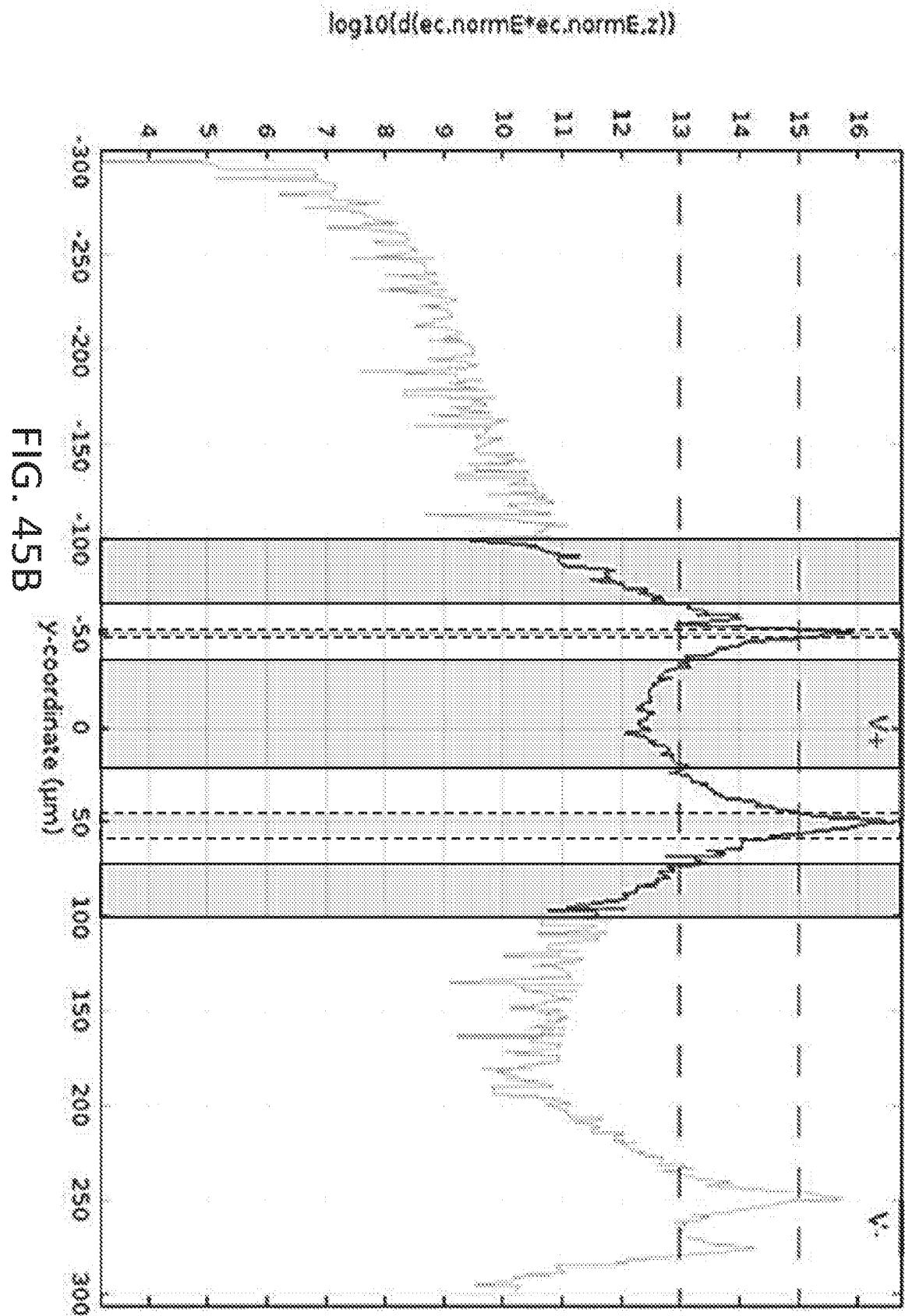


FIG. 44C

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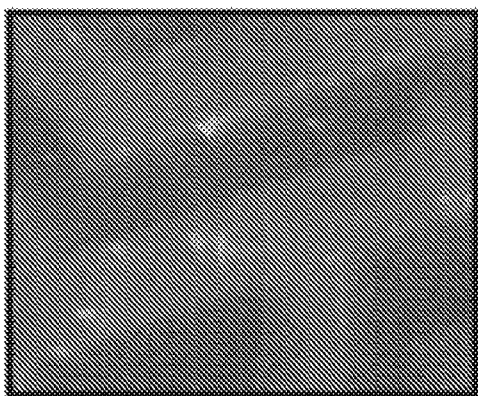


FIG. 46A

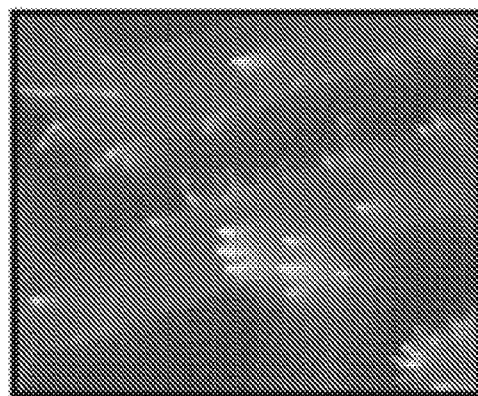


FIG. 46B

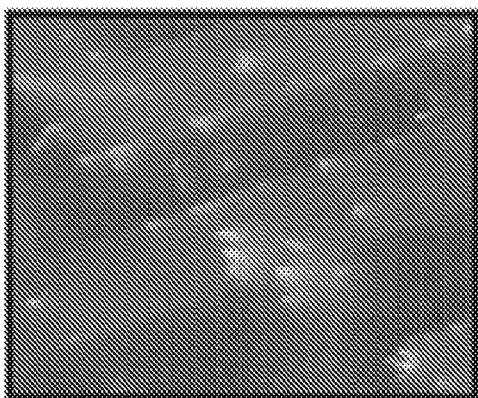


FIG. 46C

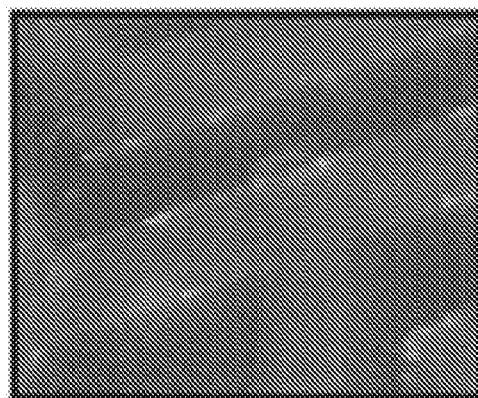


FIG. 46D

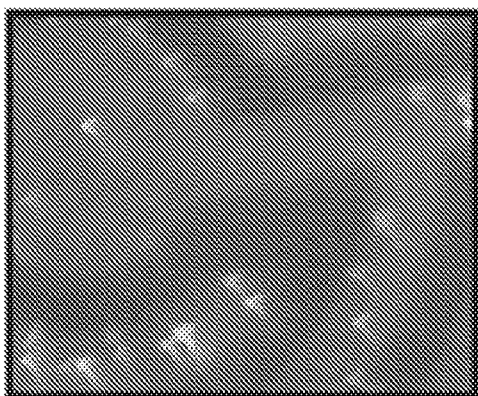


FIG. 46E

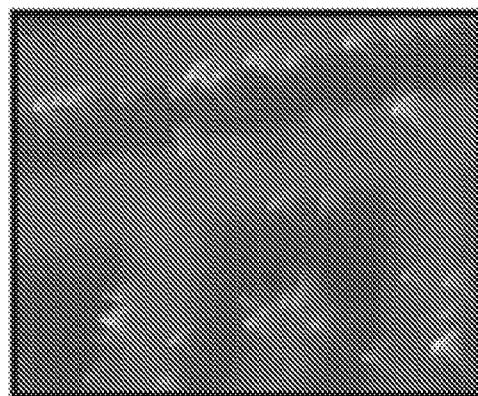


FIG. 46F

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FIG. 47A

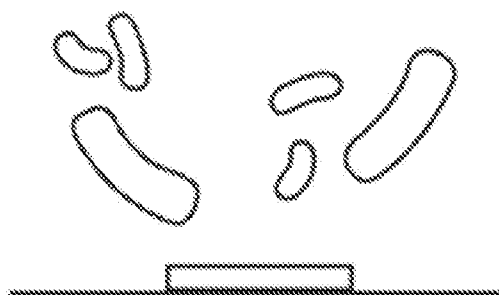


FIG. 47B

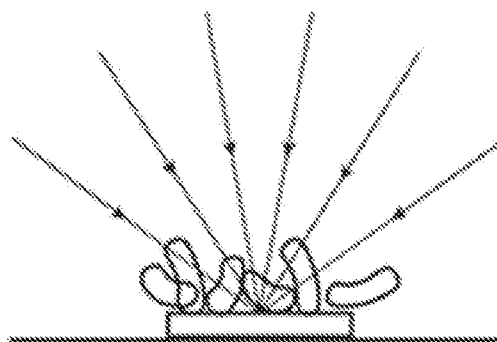


FIG. 47C

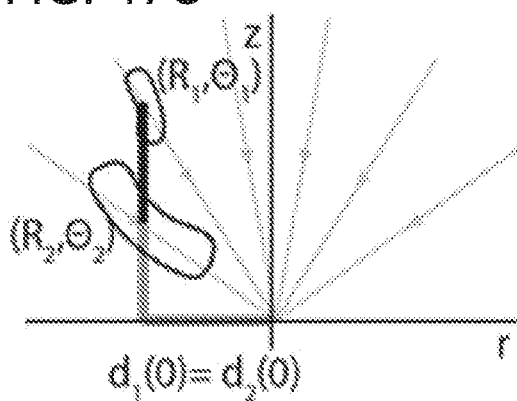


FIG. 47D

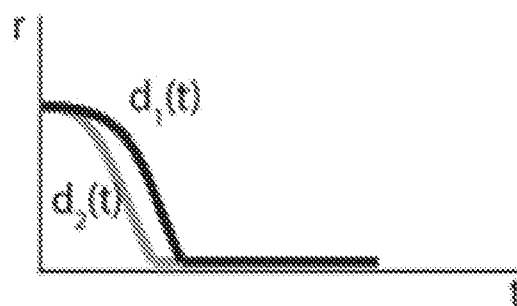


FIG. 47E

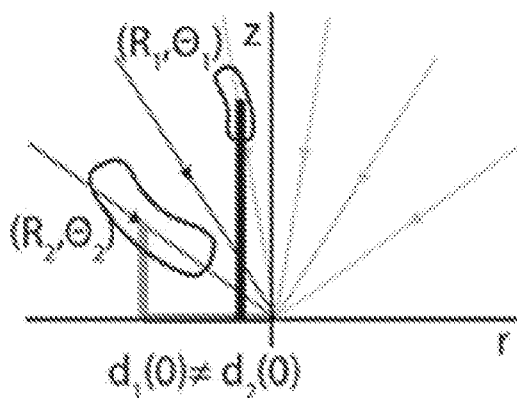


FIG. 47F

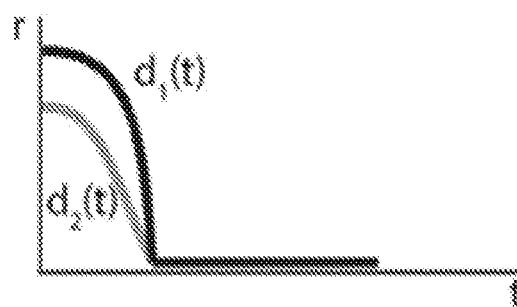


FIG. 47G

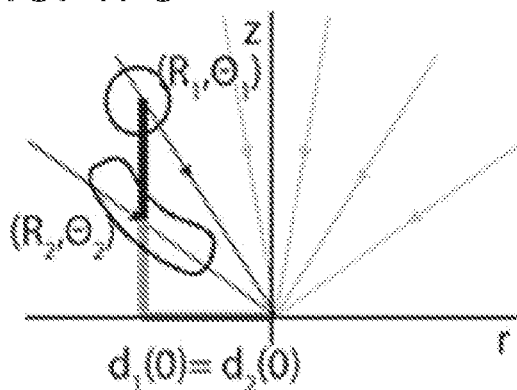


FIG. 47H

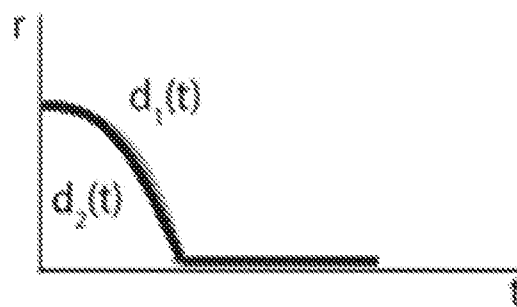


FIG. 48A

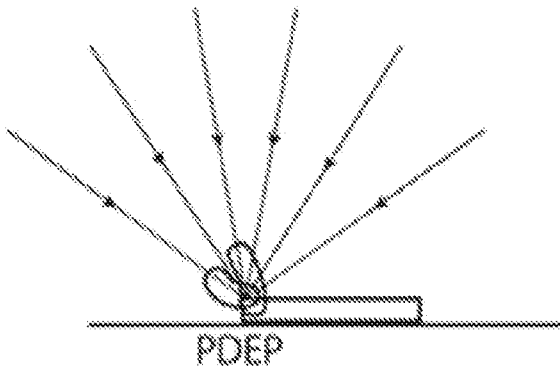


FIG. 48B

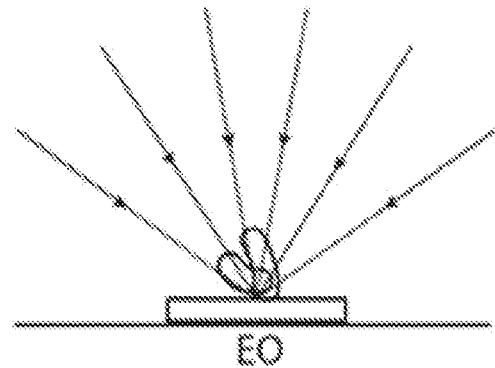


FIG. 48C

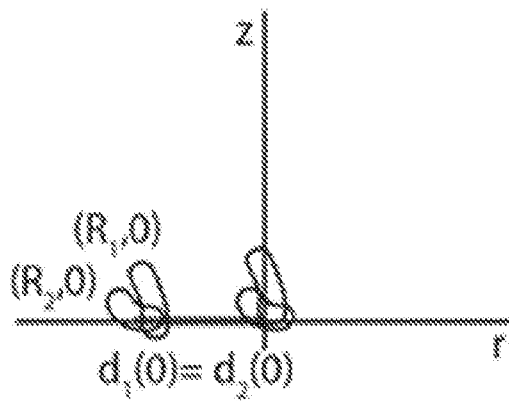


FIG. 48D

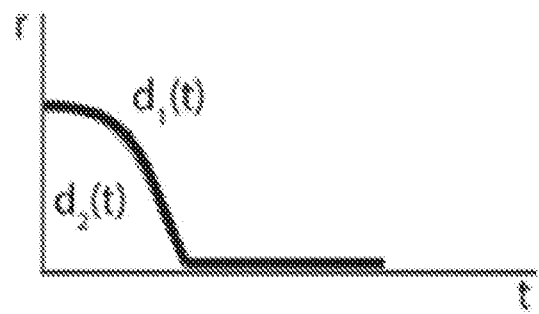


FIG. 48E

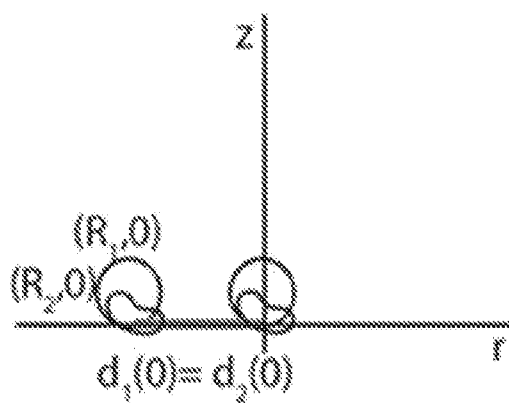
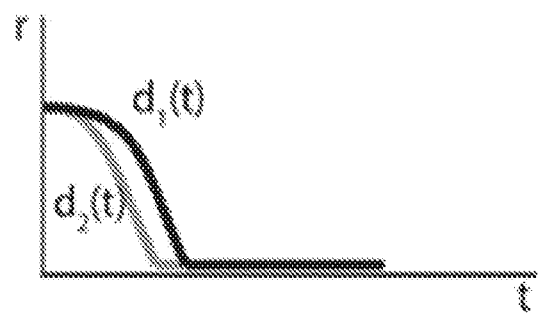
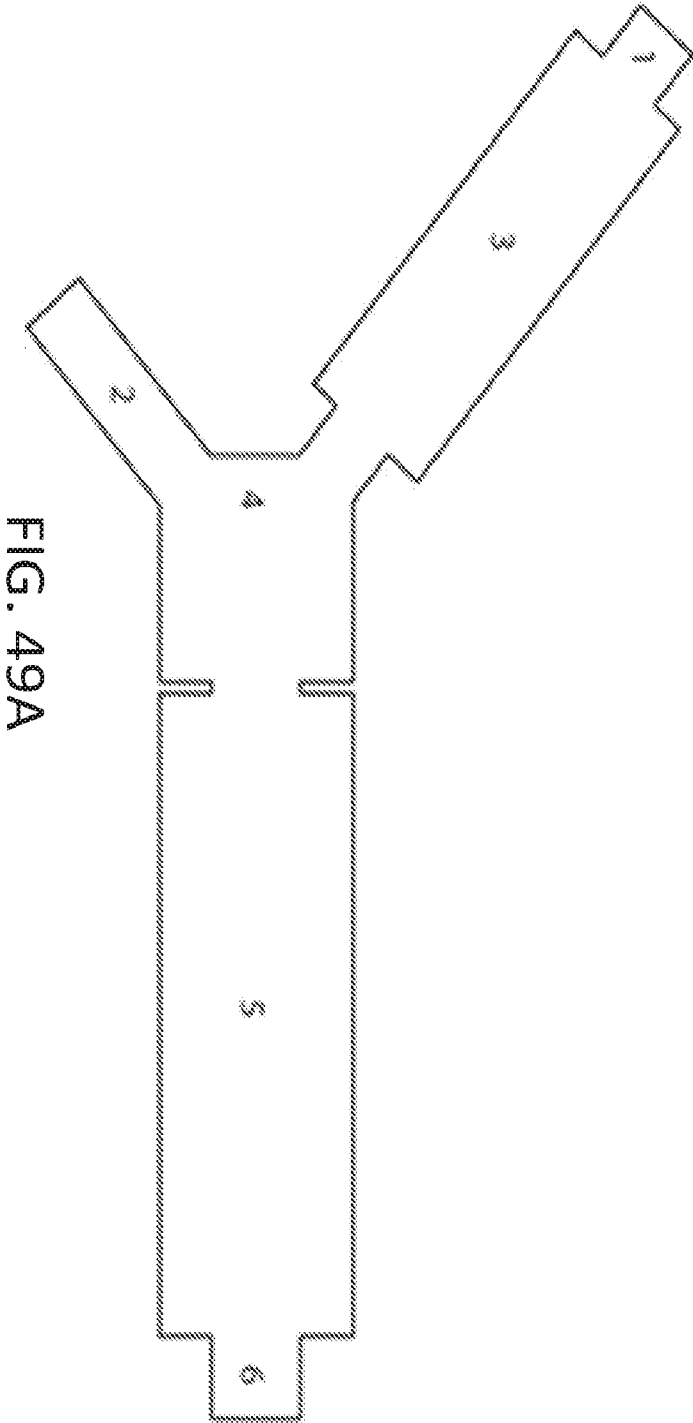


FIG. 48F





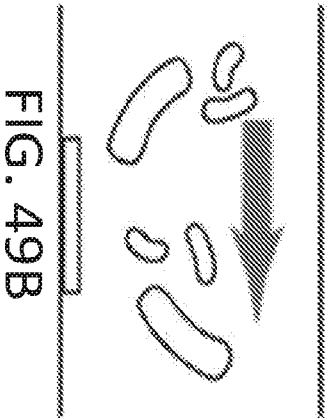


FIG. 49B

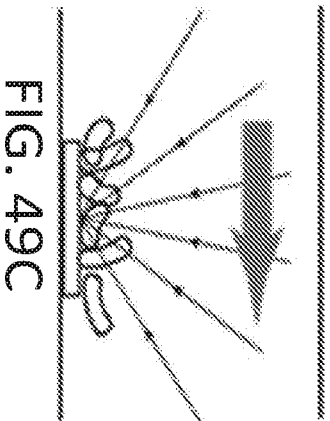


FIG. 49C

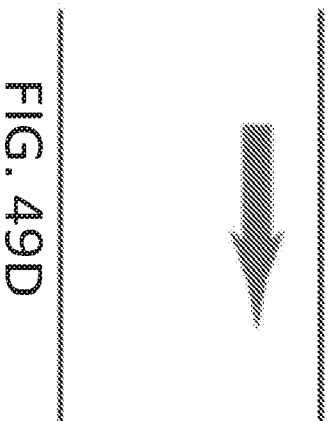


FIG. 49D

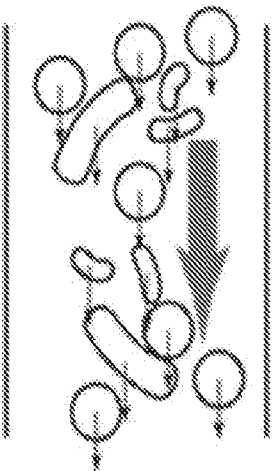


FIG. 49E

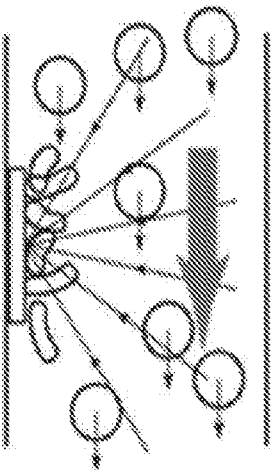


FIG. 49F

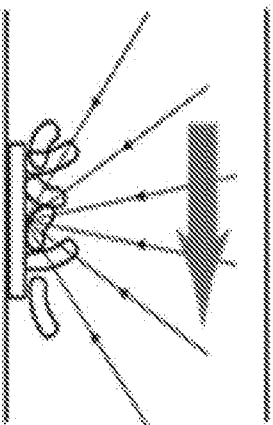


FIG. 49G

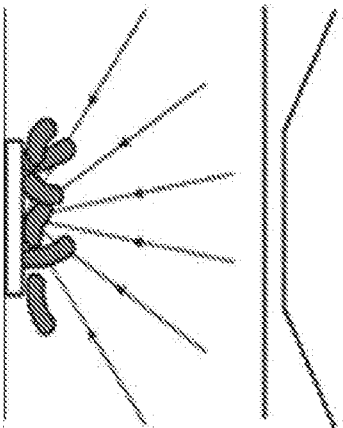


FIG. 49H



FIG. 49I

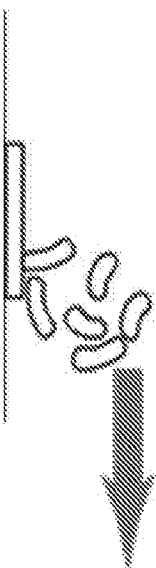


FIG. 49J

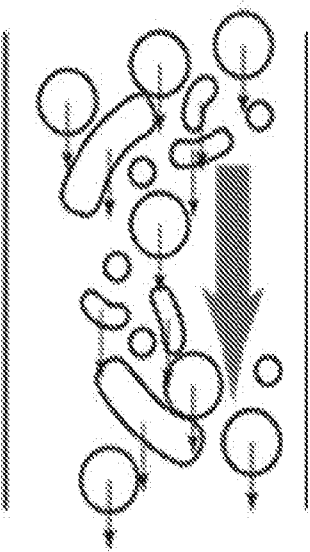


FIG. 50A

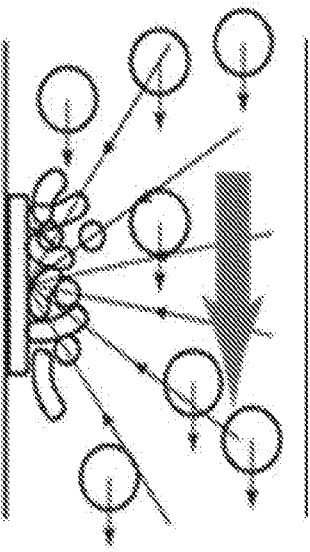


FIG. 50B

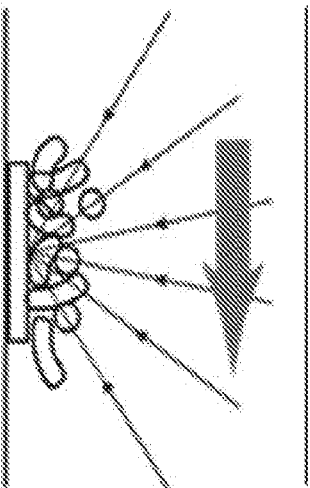


FIG. 50C

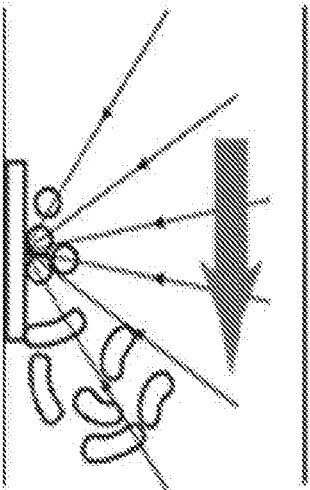


FIG. 50D

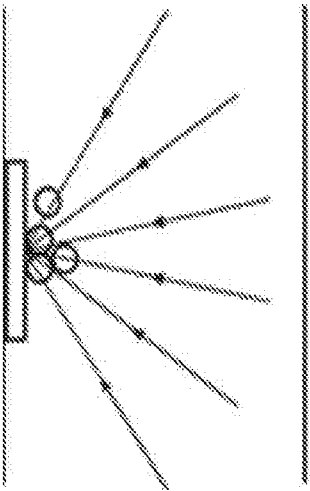


FIG. 50E

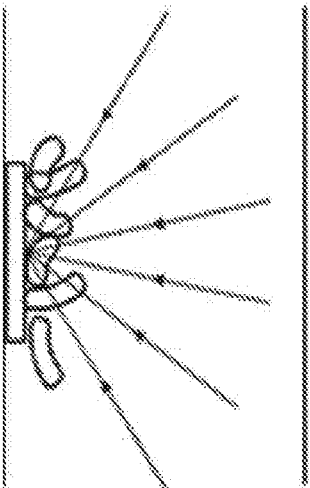


FIG. 50F

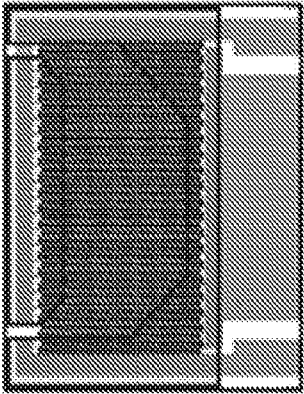


FIG. 51A

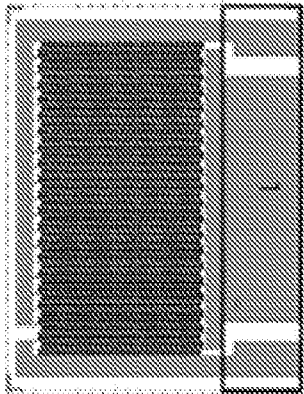


FIG. 51B

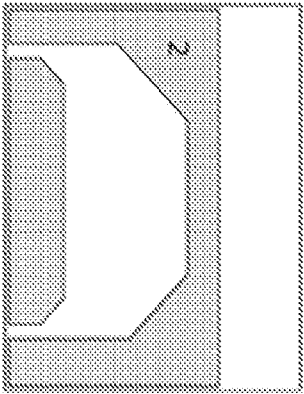


FIG. 51C

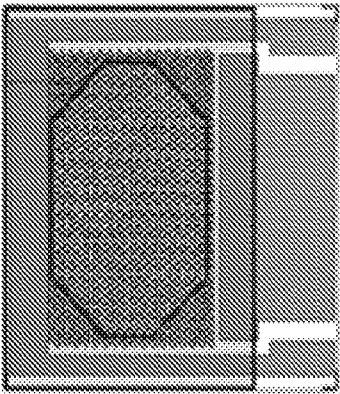


FIG. 51D

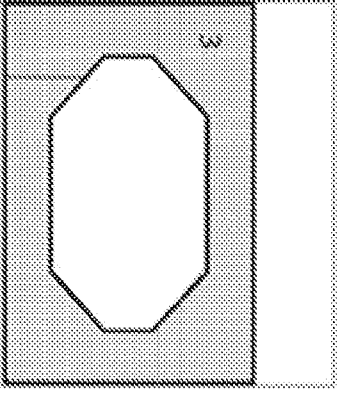


FIG. 51E

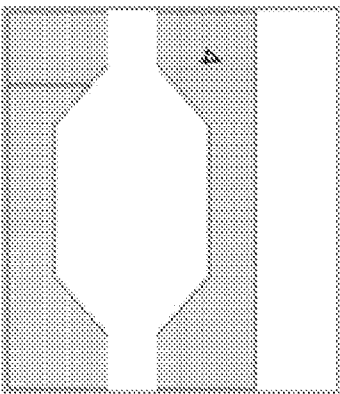


FIG. 51F

FIG. 52A

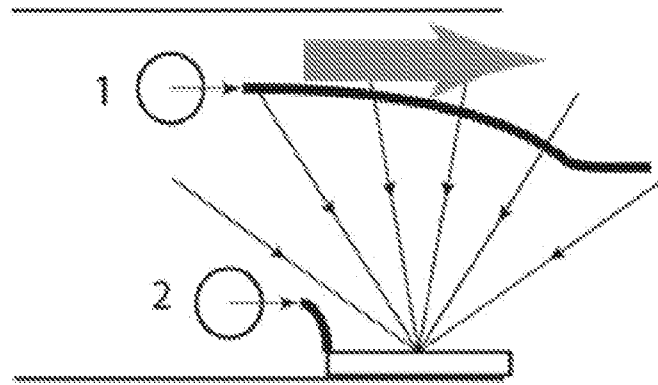
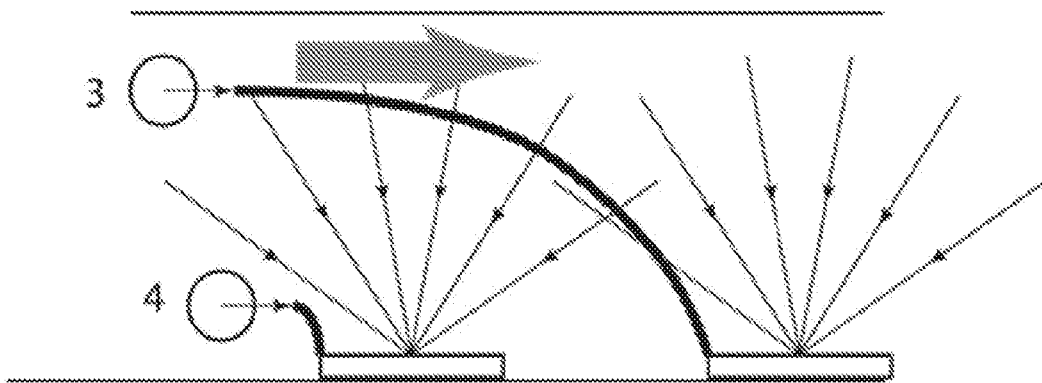


FIG. 52B



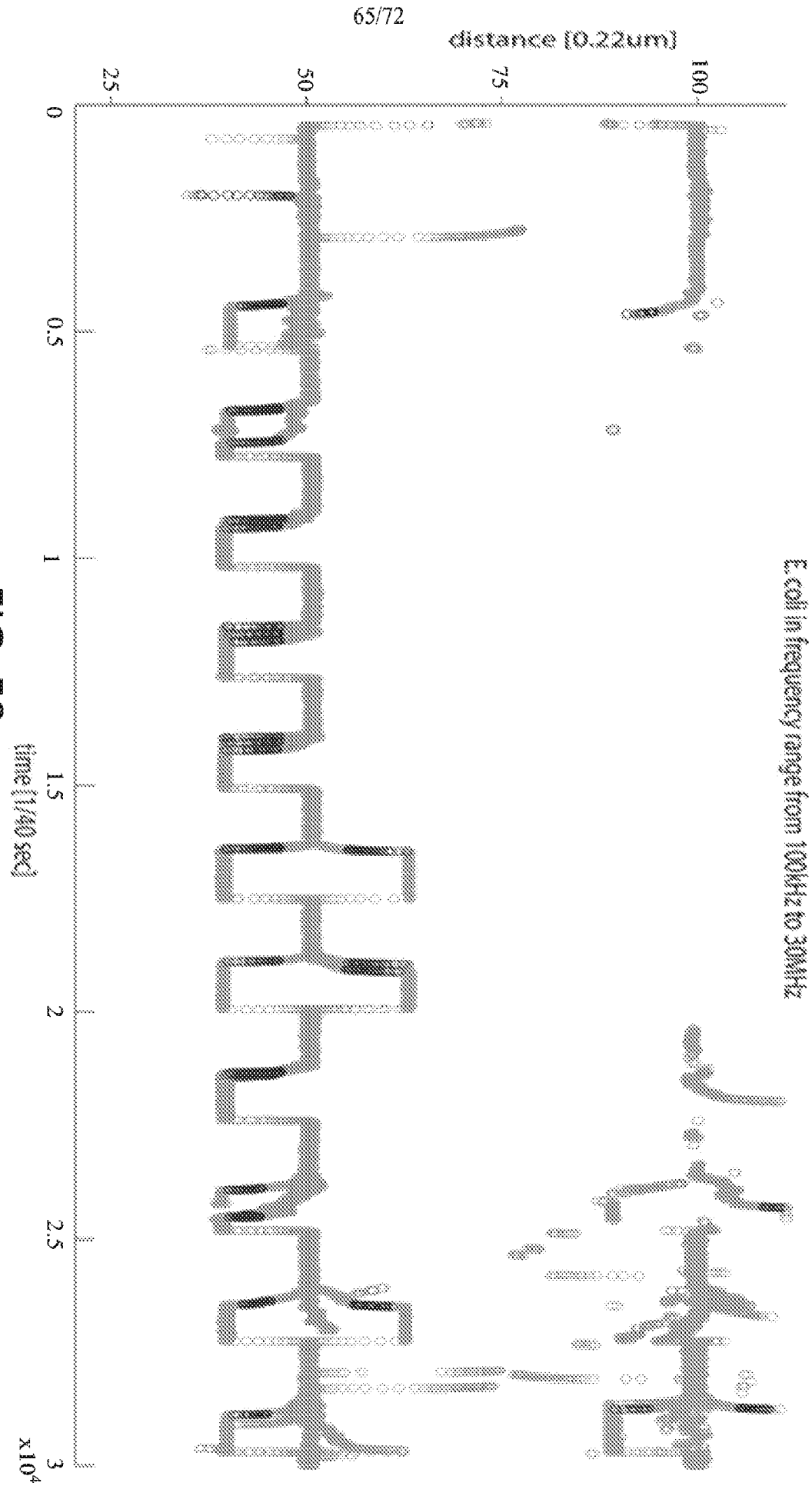


FIG. 53

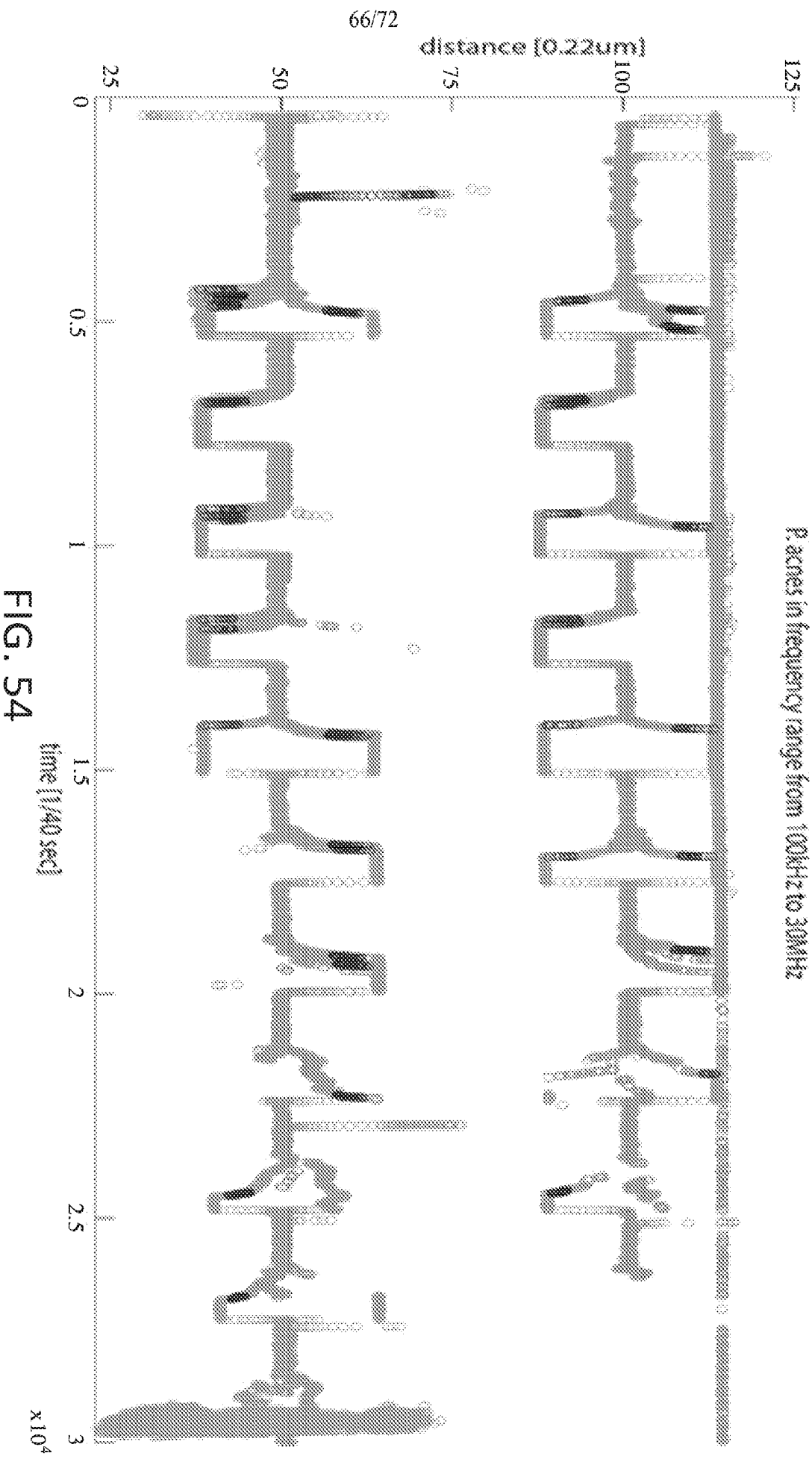


FIG. 54

Advanced Bacterial Fingerprinting

E. coli and *P. acnes* motion in 12 different electric field frequencies

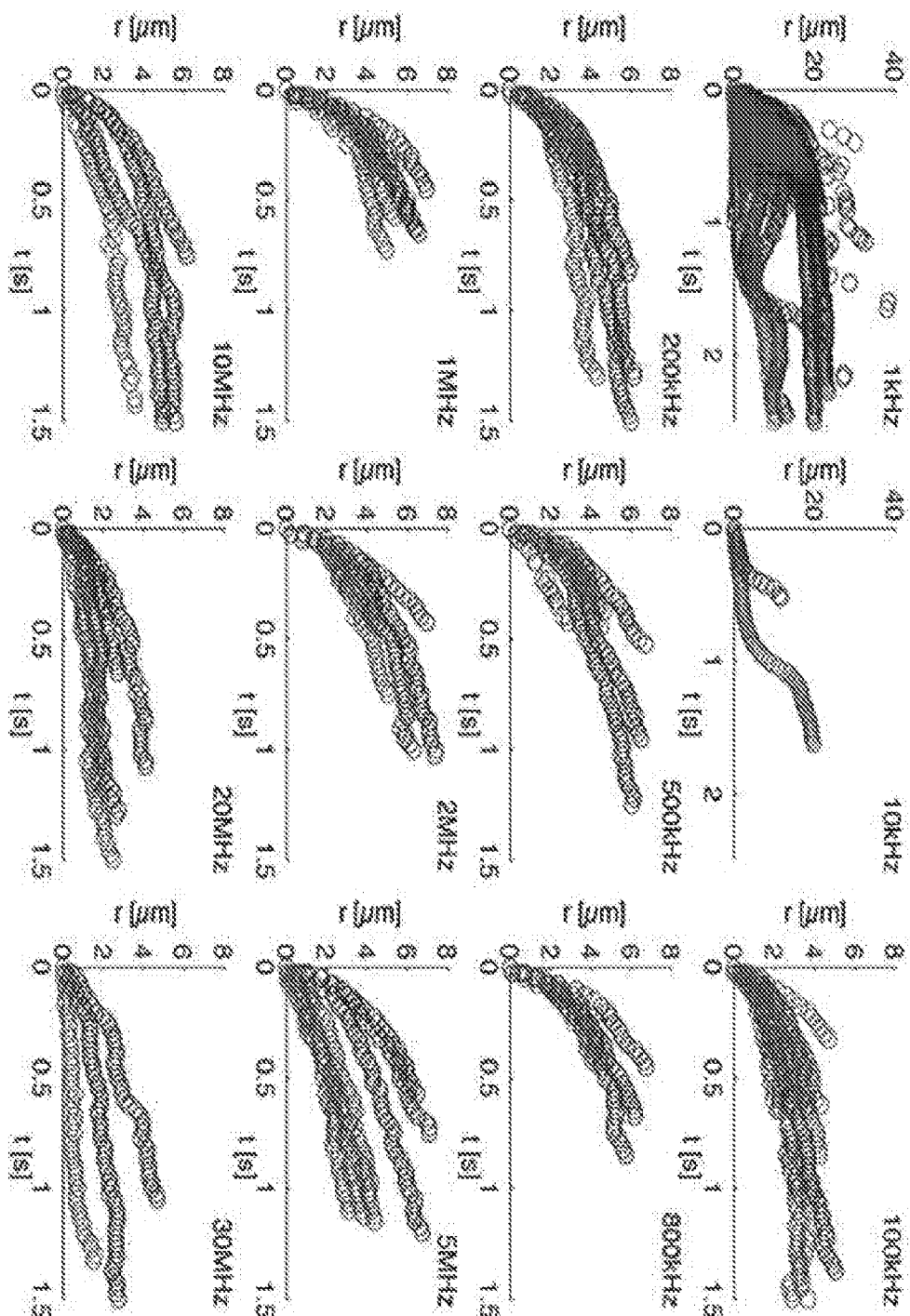


FIG. 55

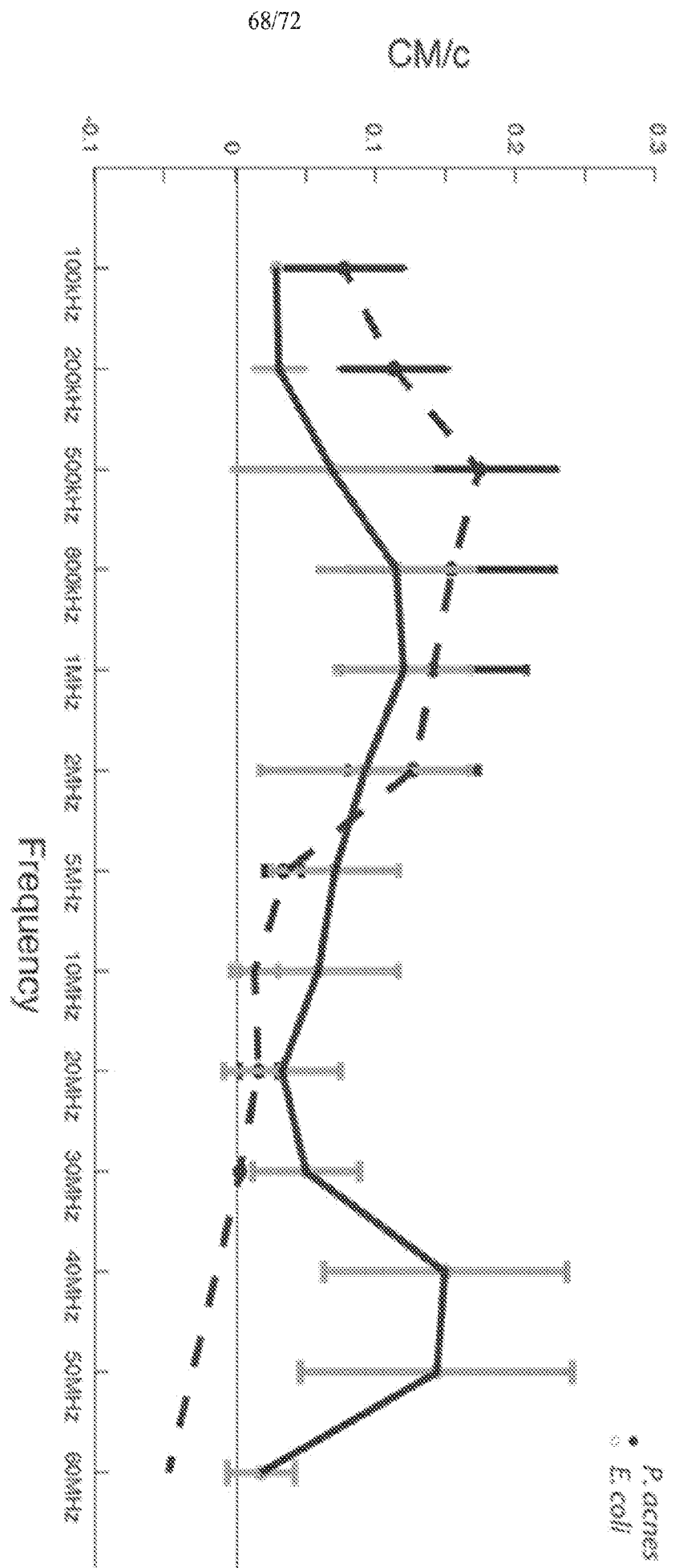


FIG. 56

FIG. 57A

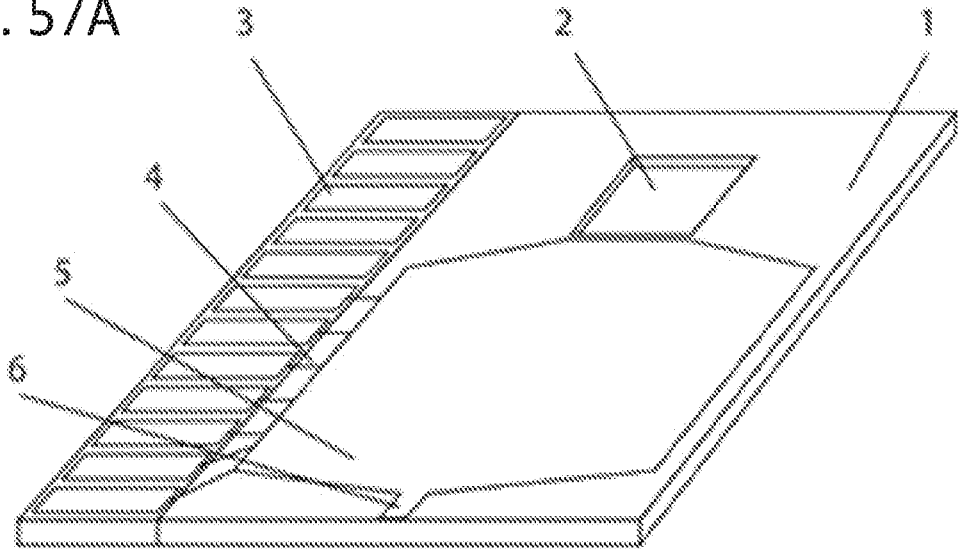


FIG. 57B

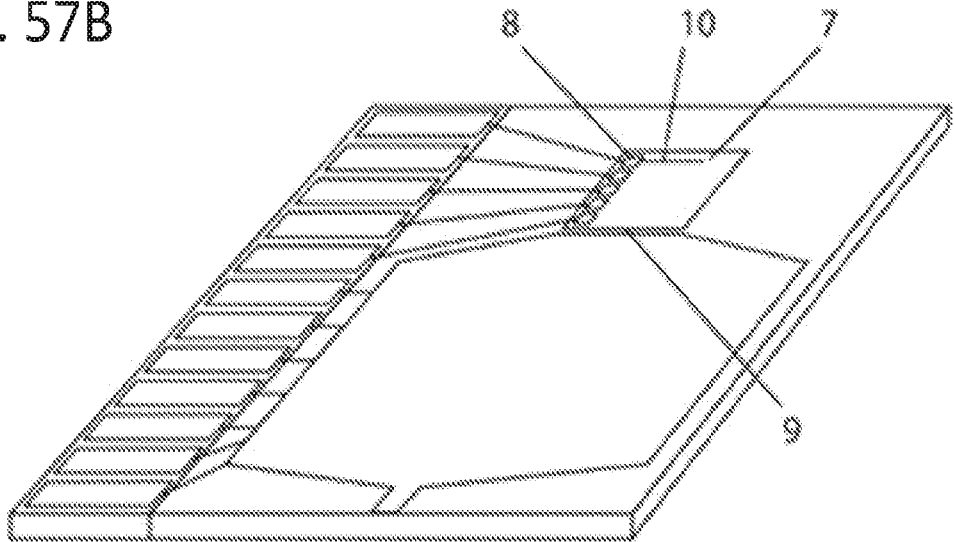


FIG. 57C

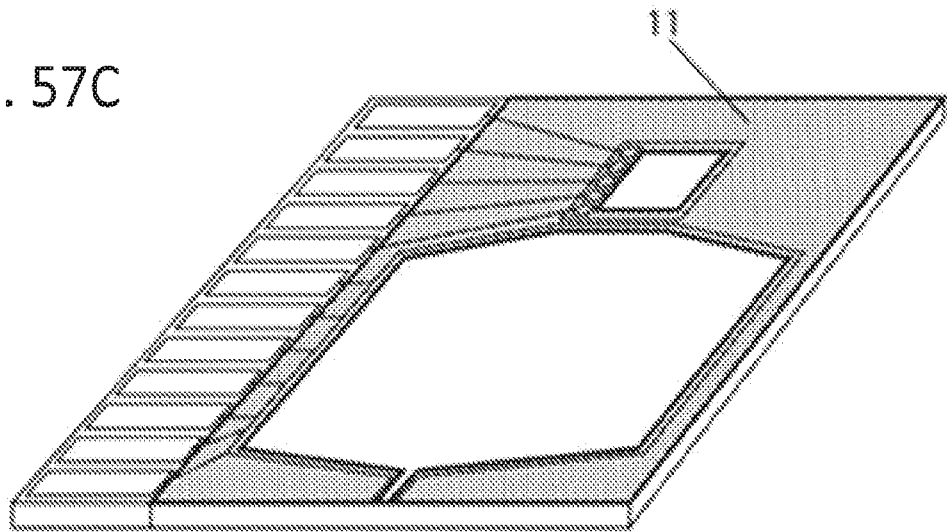
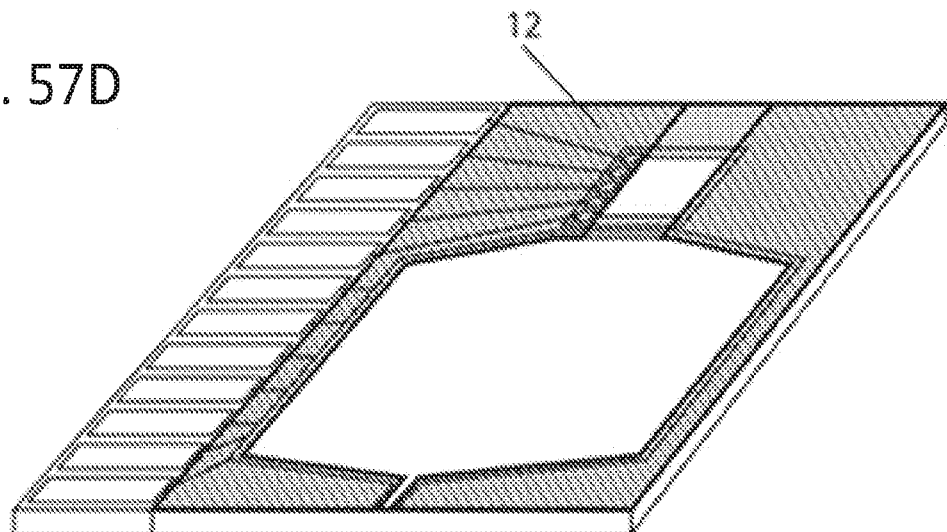


FIG. 57D



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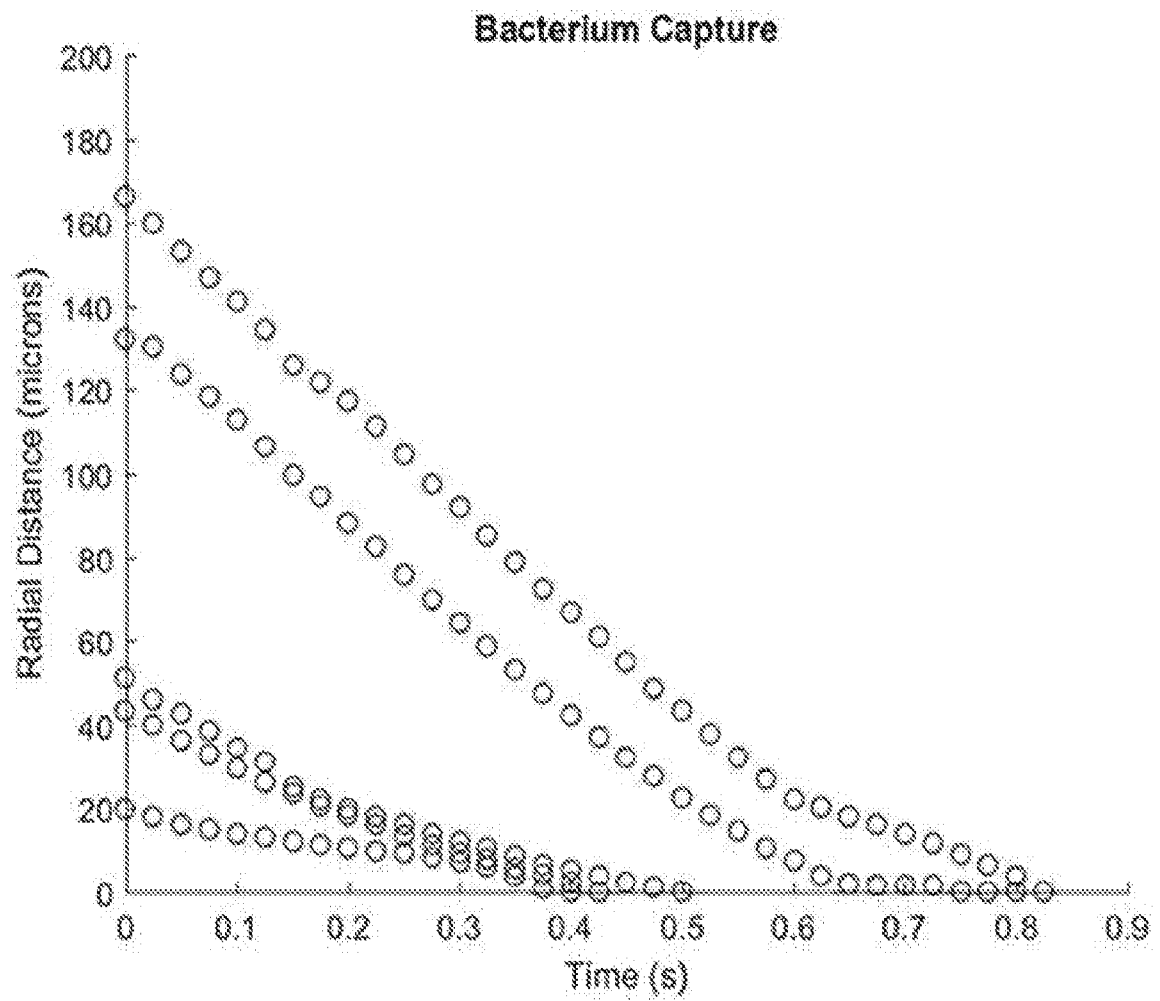


FIG. 58

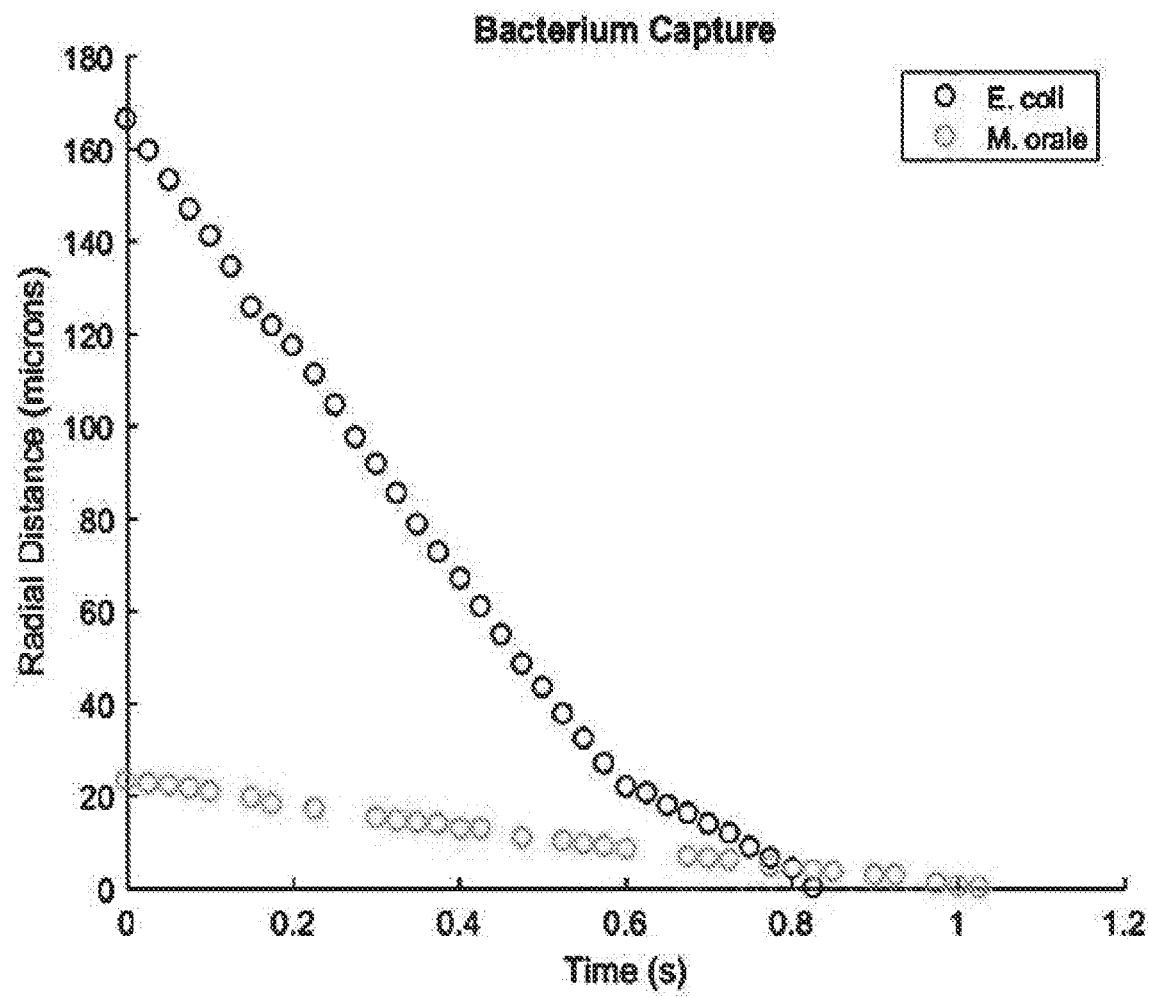


FIG. 59