

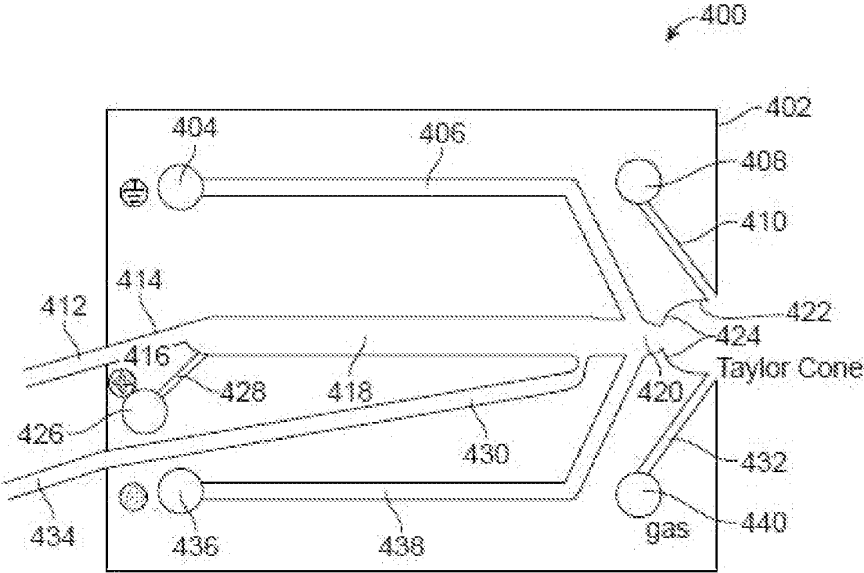


FIG. 1A

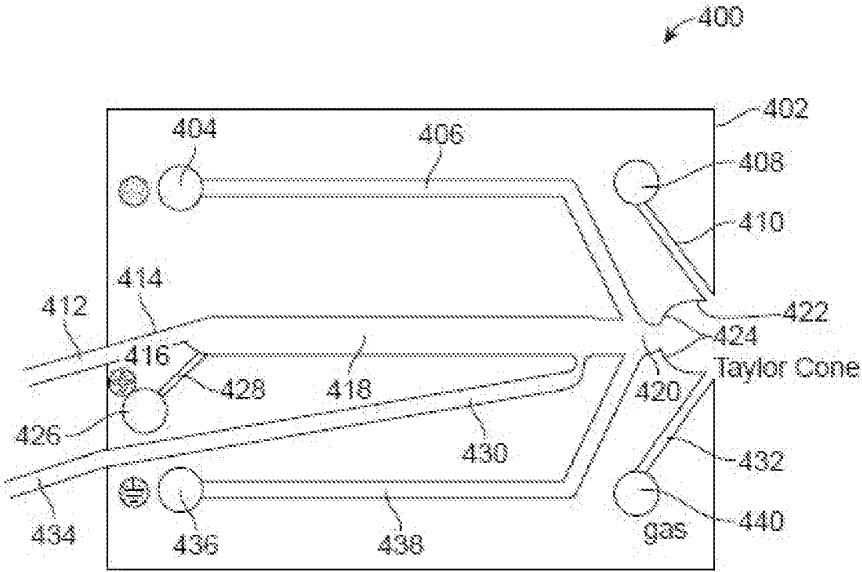


FIG. 1B

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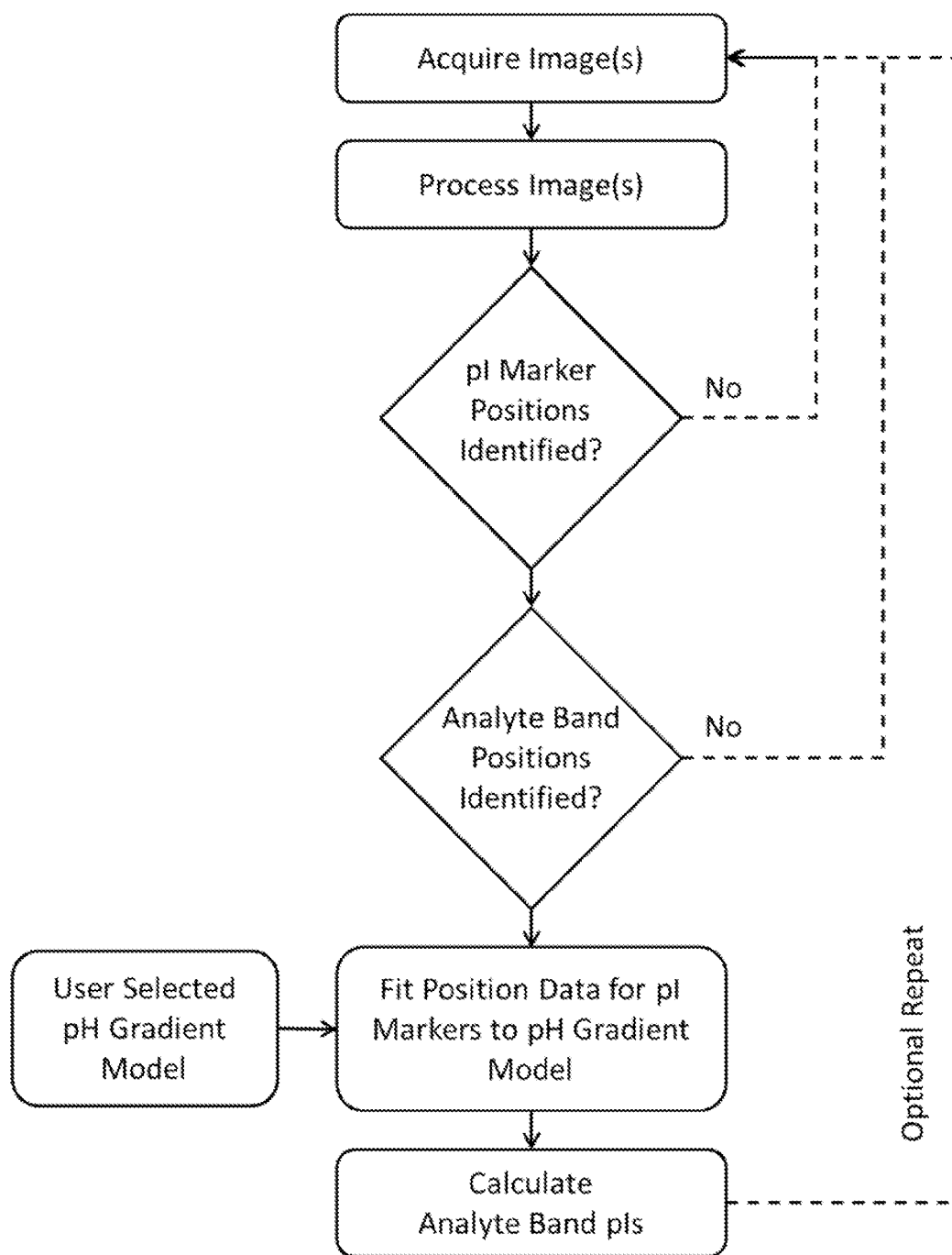


FIG. 2

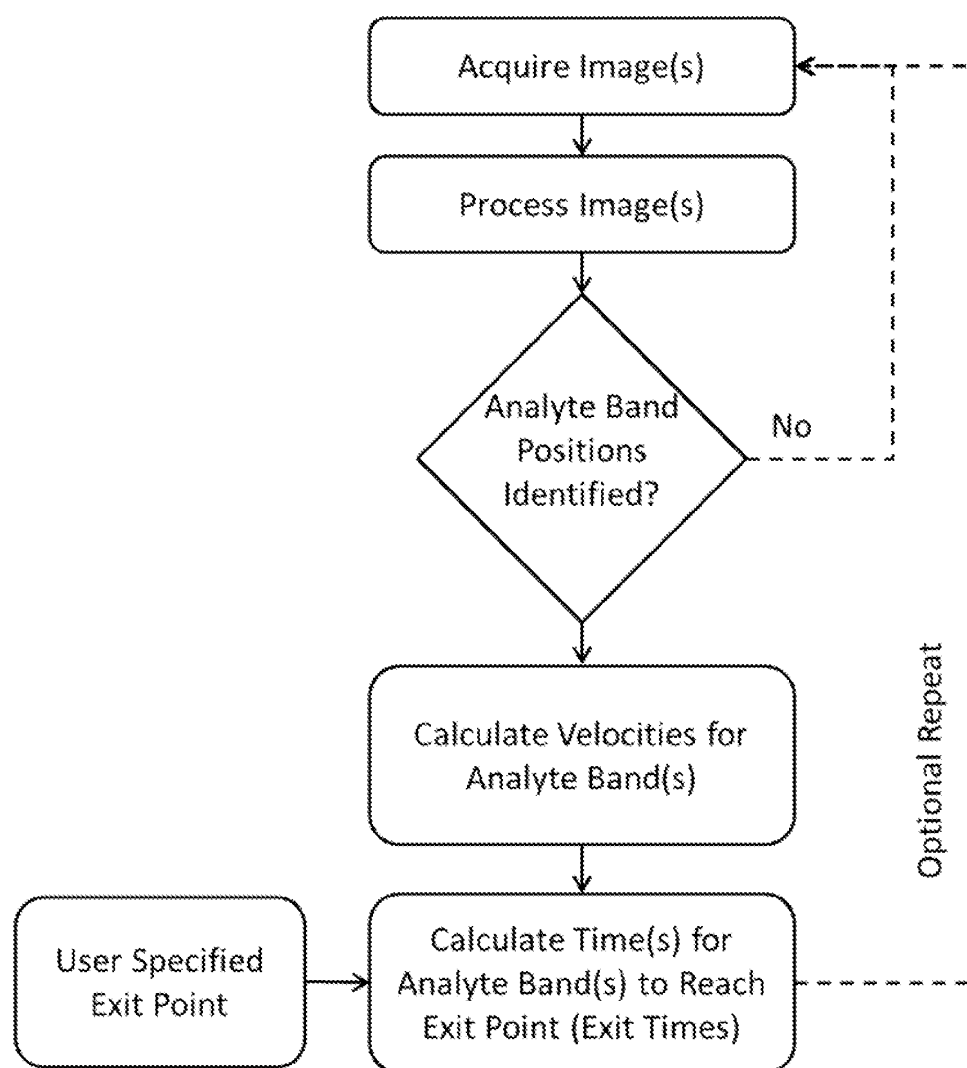
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FIG. 3

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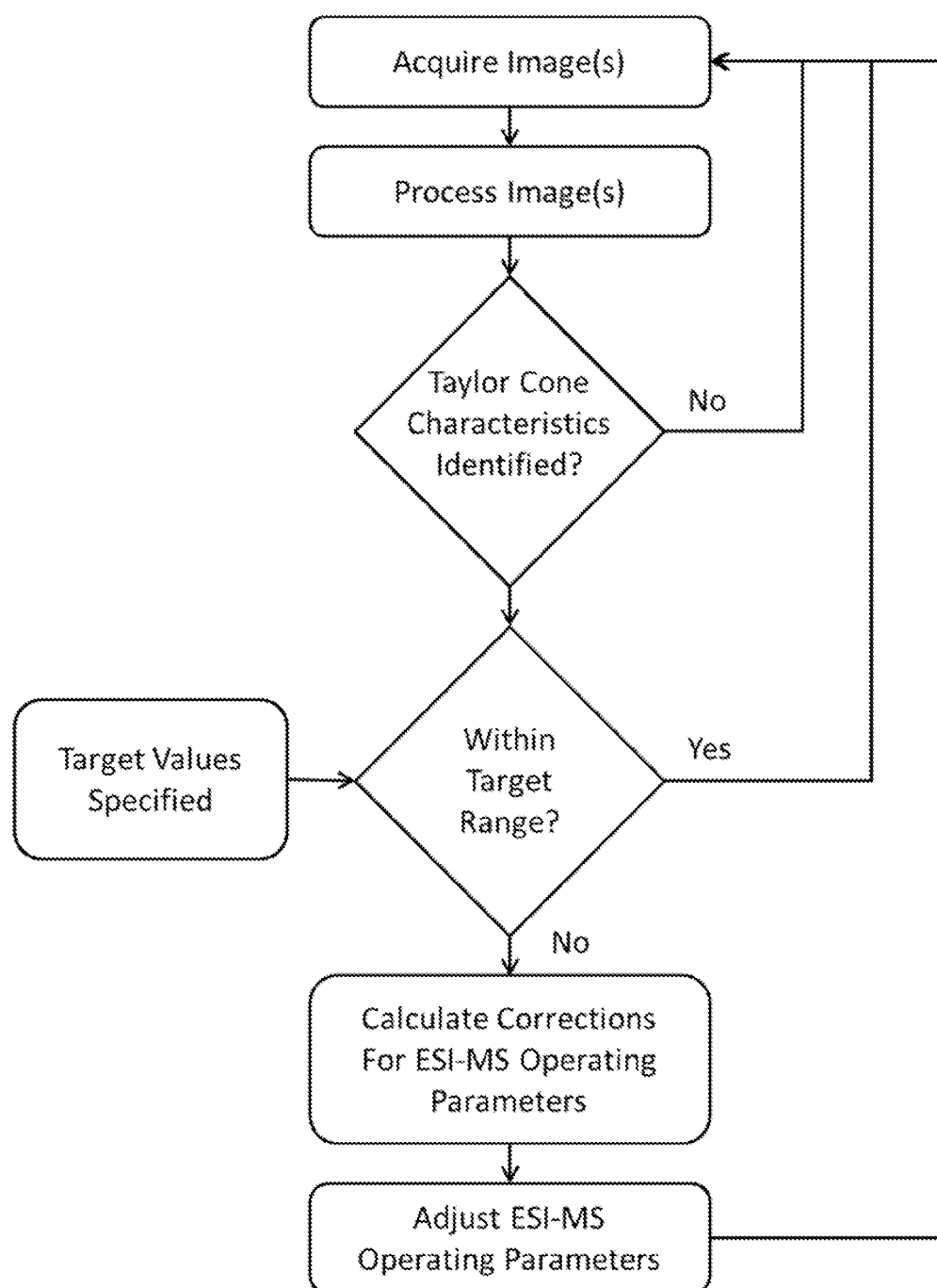


FIG. 4

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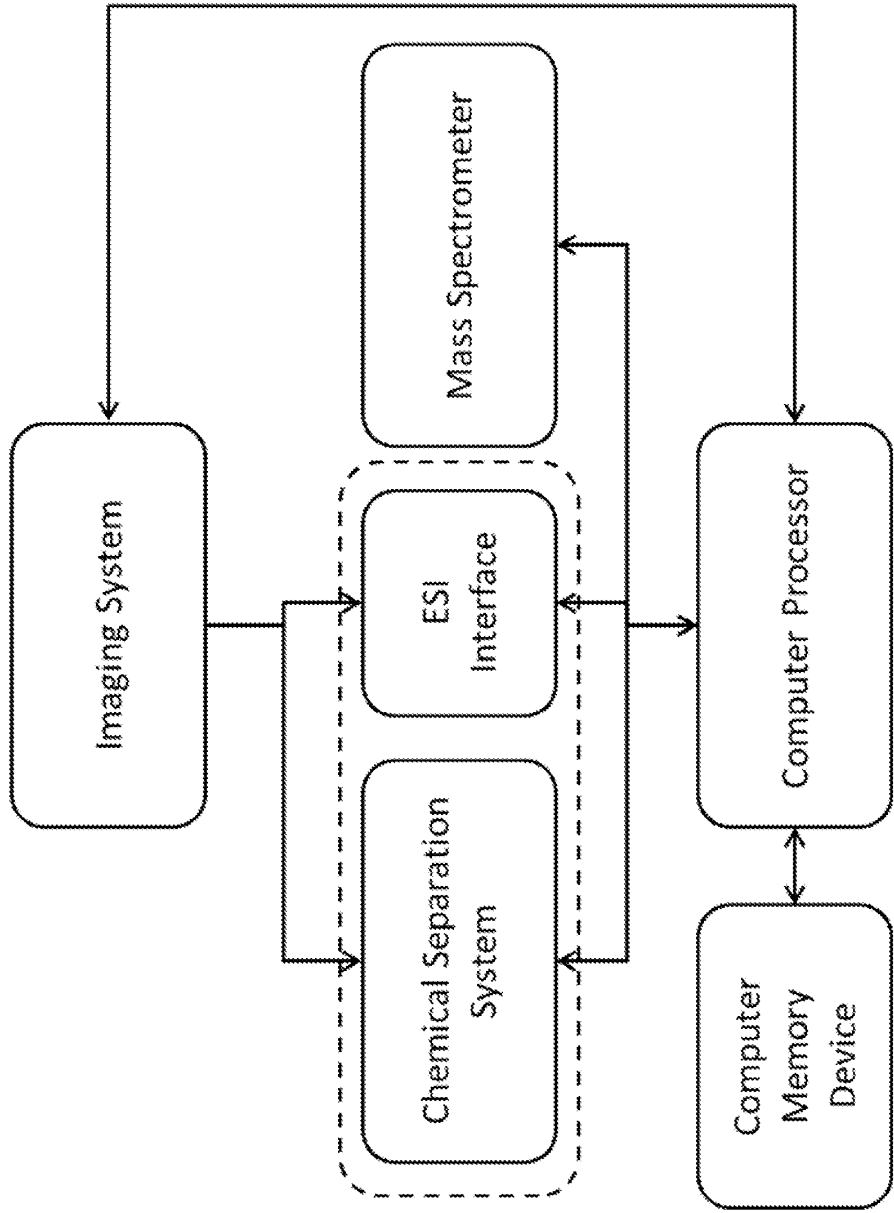


FIG. 5

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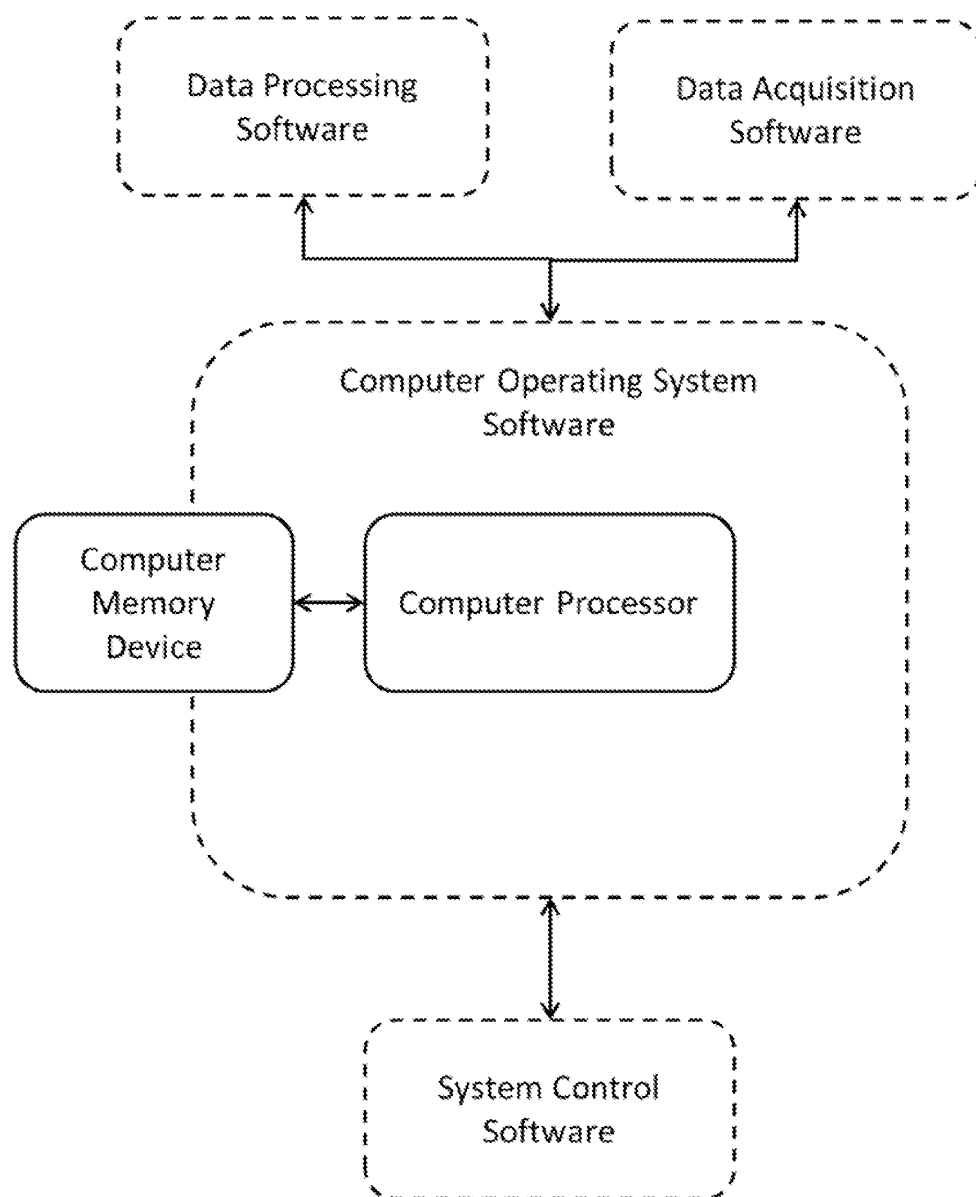
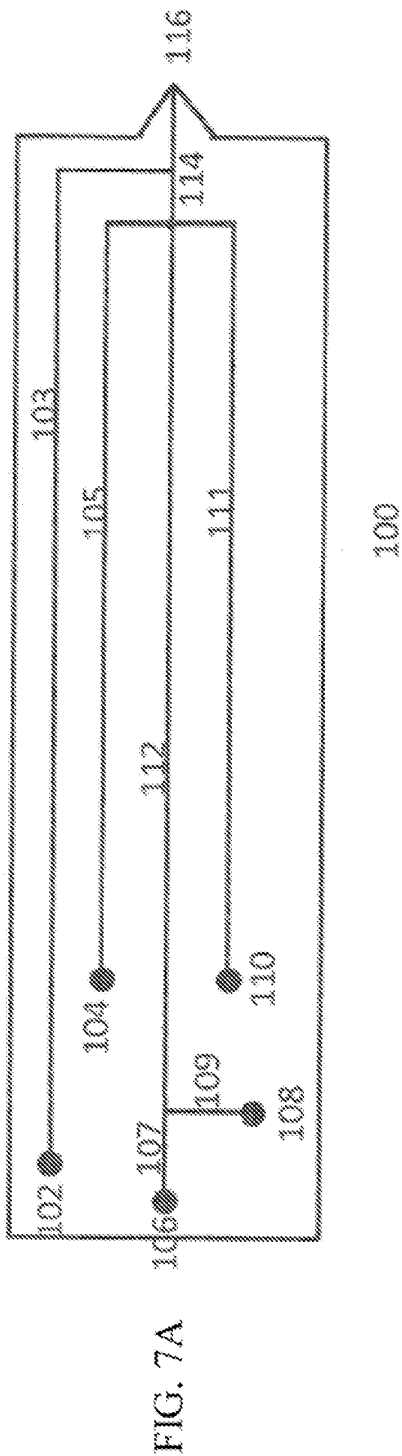
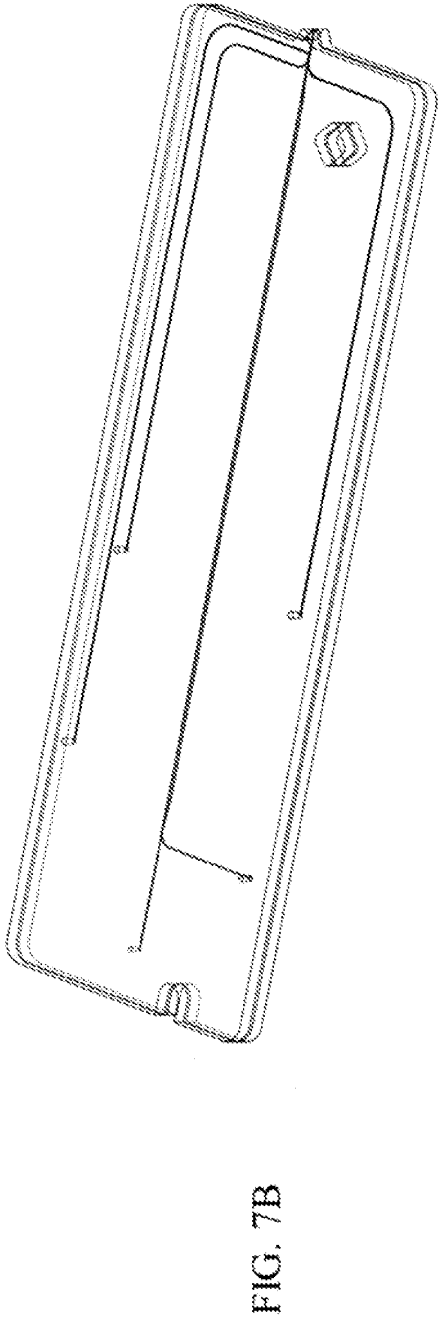


FIG. 6



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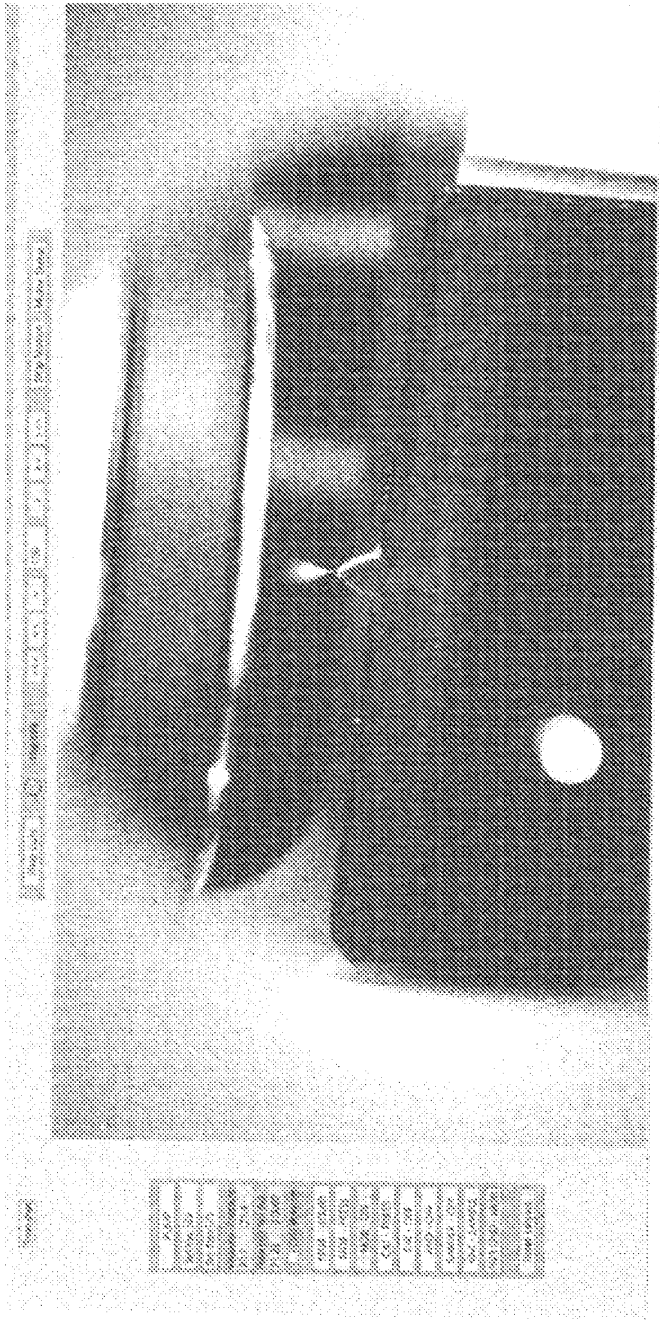
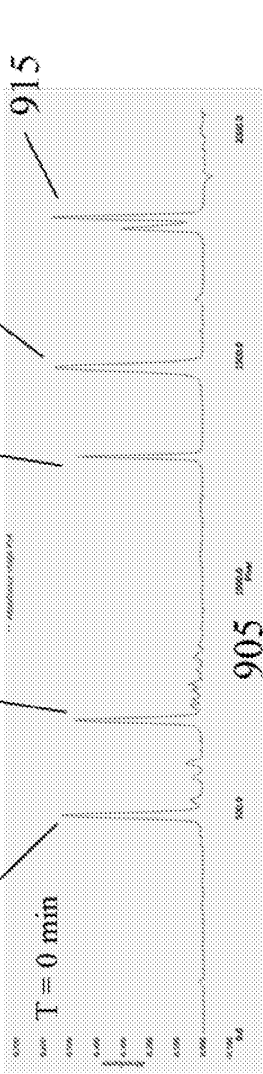
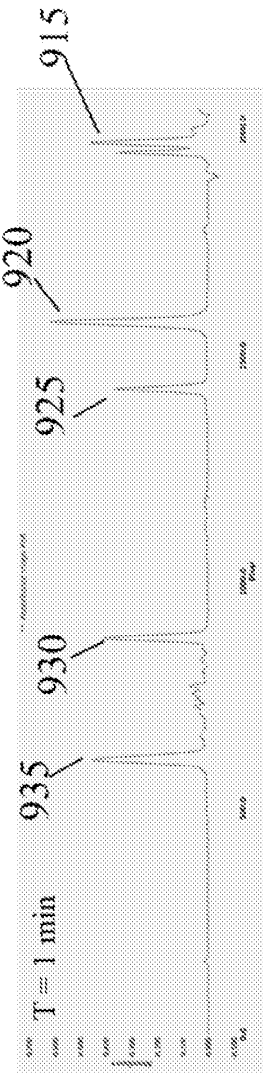
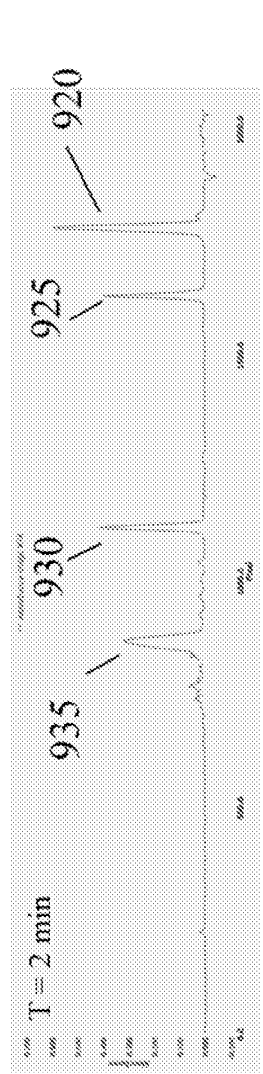


FIG. 8

Mobilization



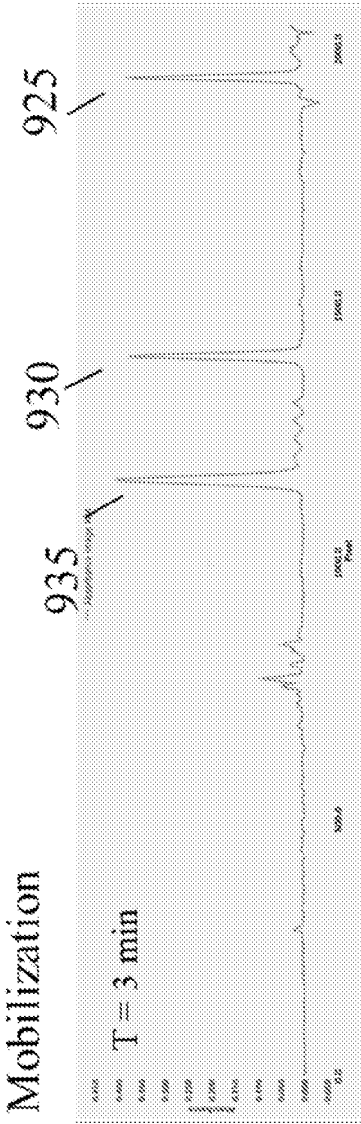


FIG. 9D

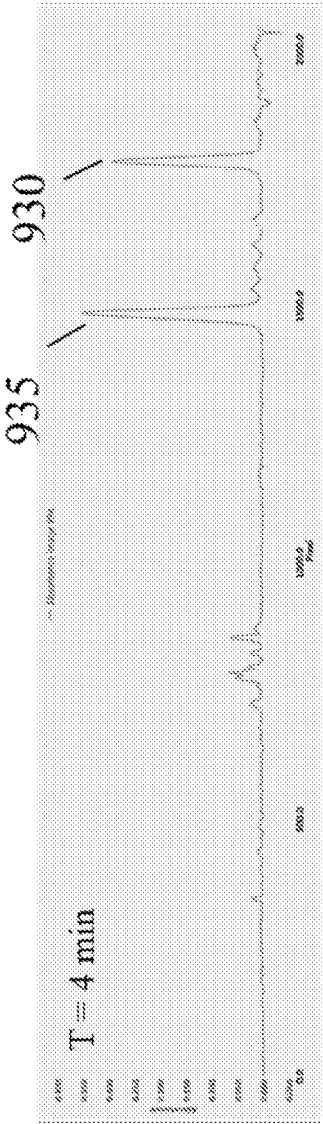


FIG. 9E

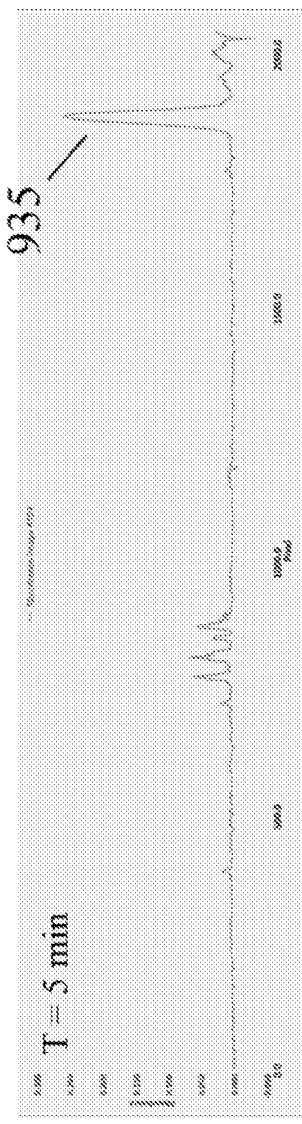


FIG. 9F

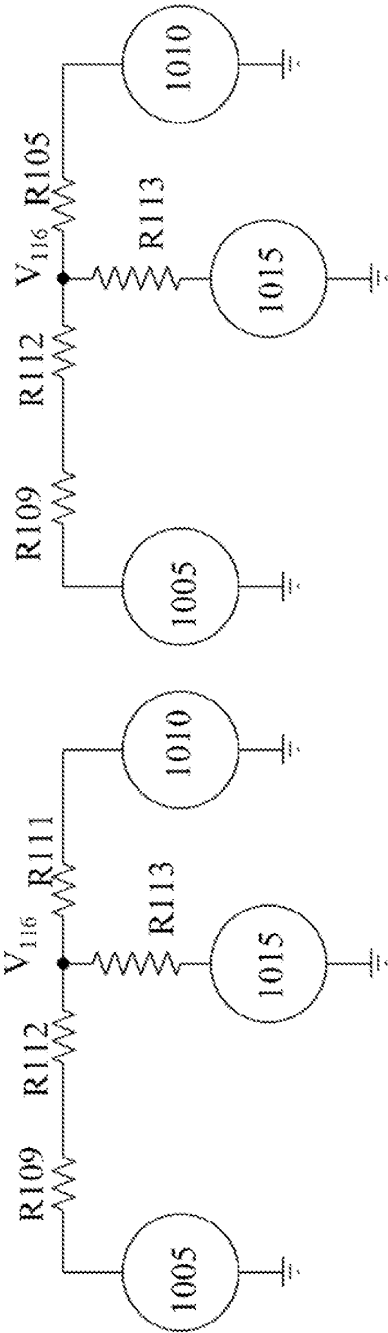


FIG. 10A

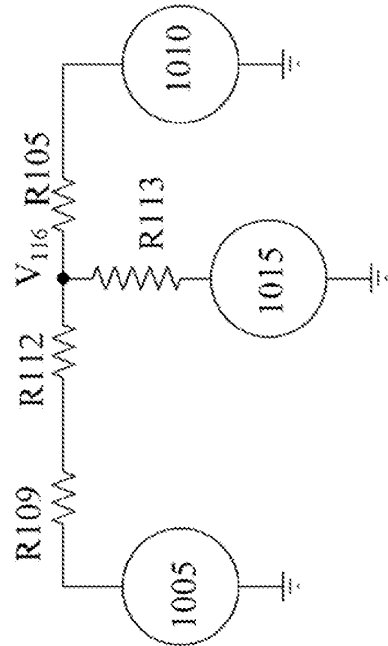


FIG. 10B

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FIG. 11A

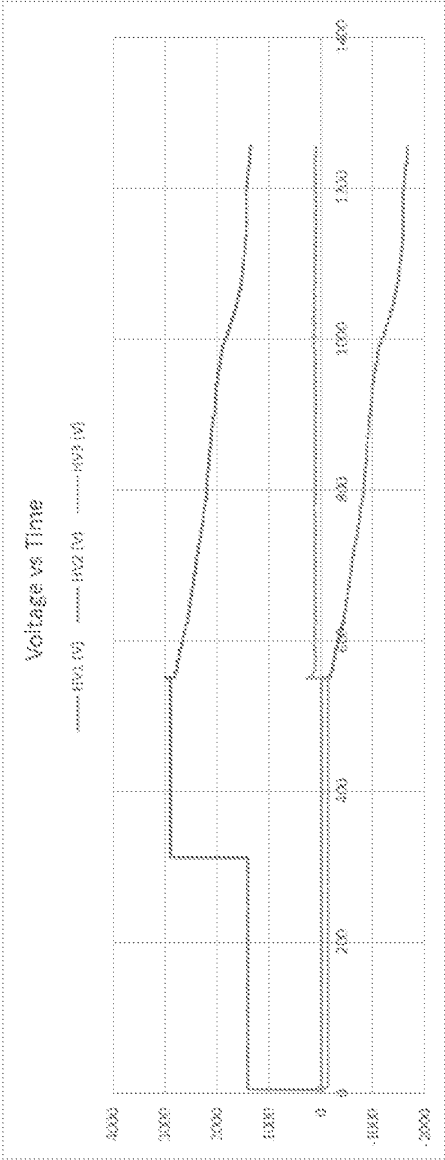
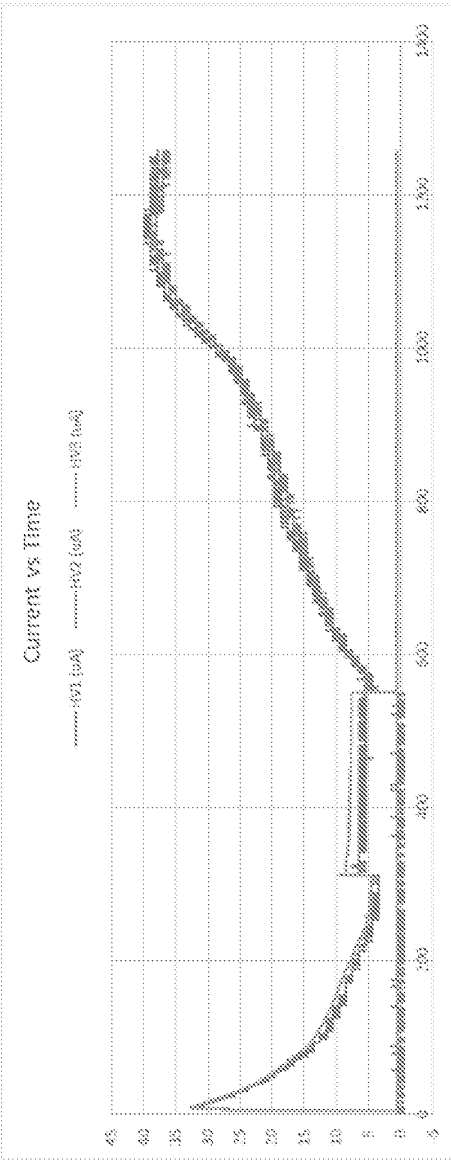


FIG. 11B



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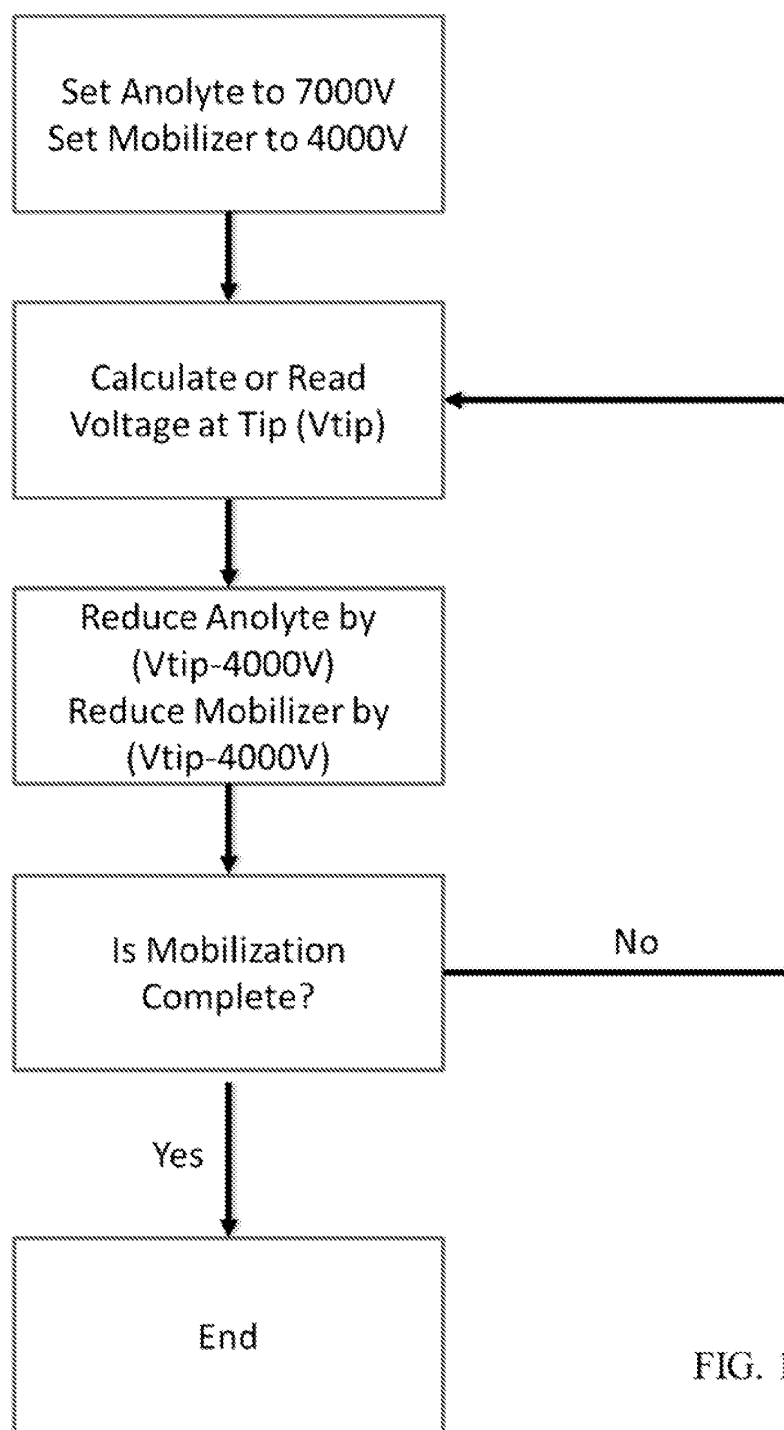


FIG. 12

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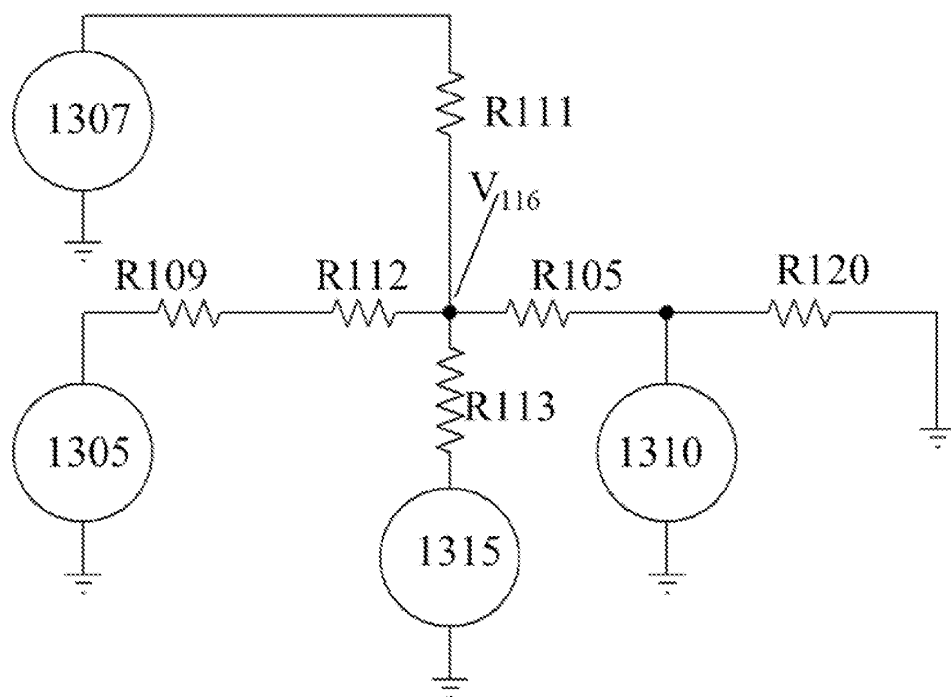


FIG. 13A

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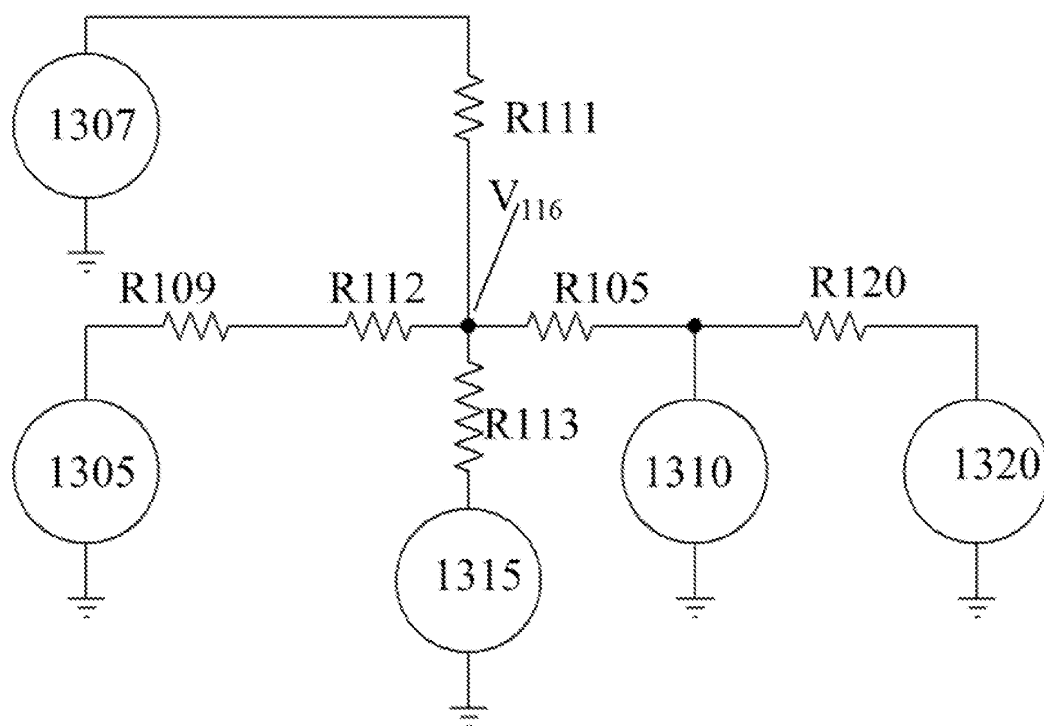


FIG. 13B

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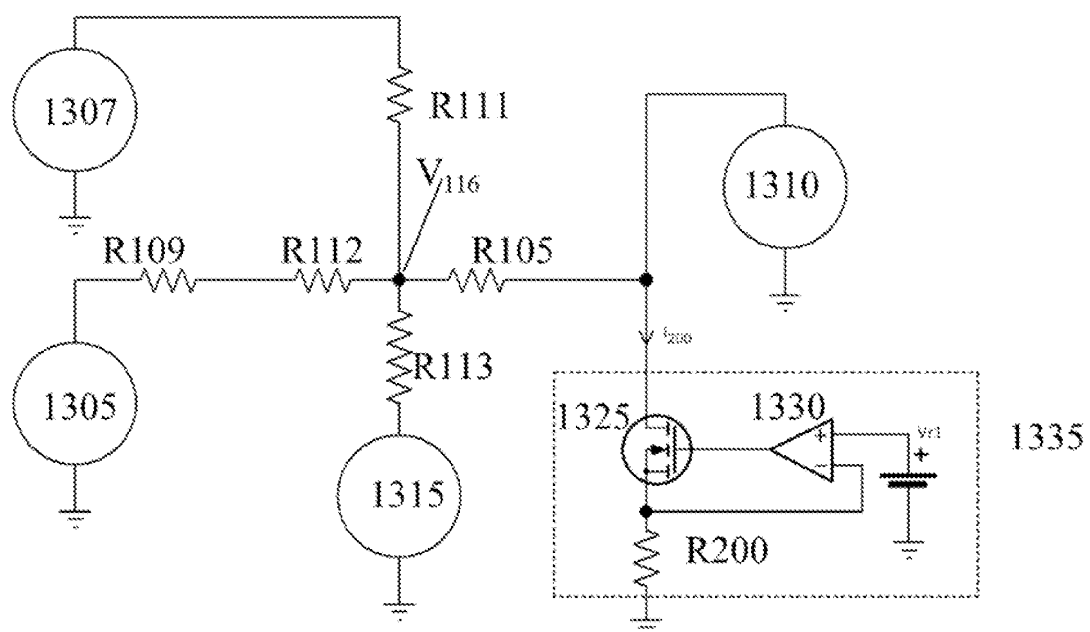


FIG. 13C

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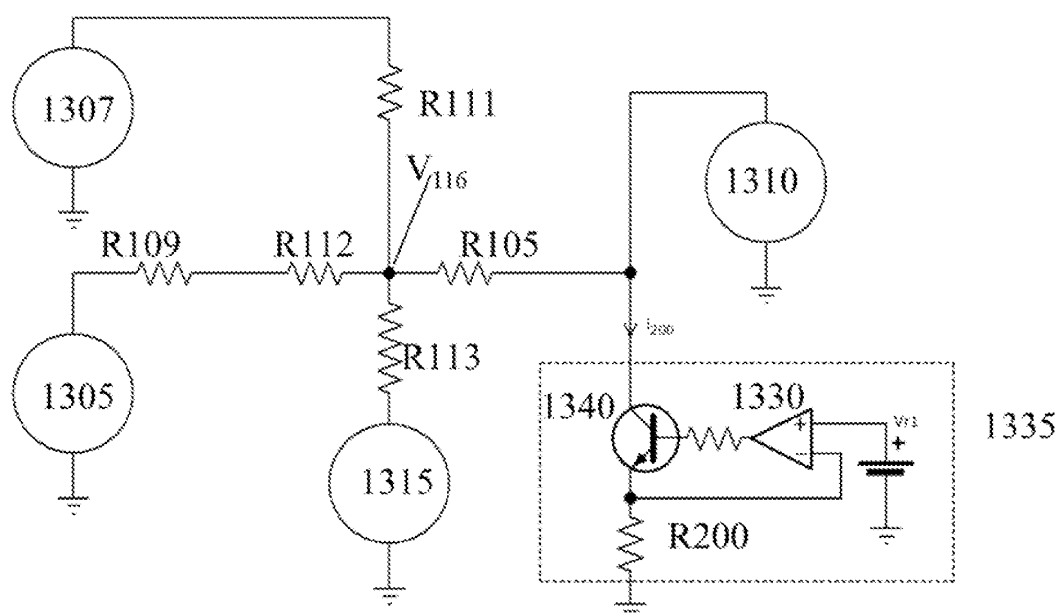


FIG. 13D

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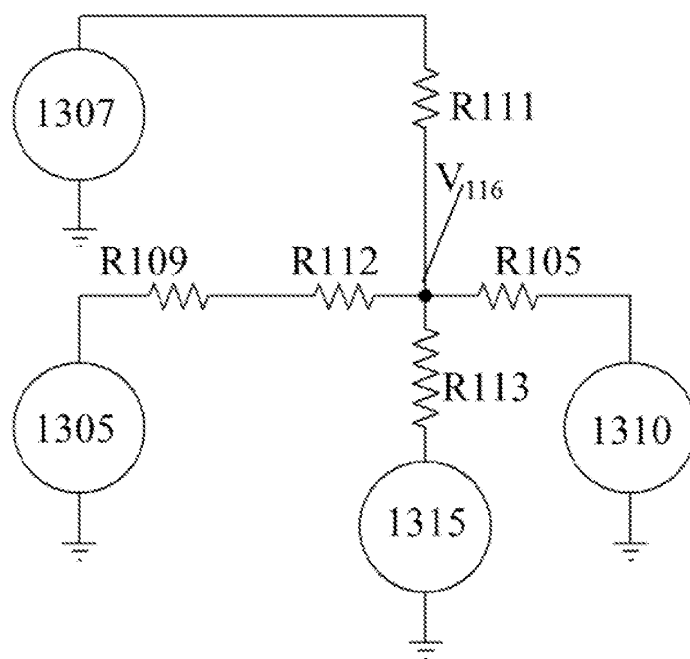


FIG. 13E

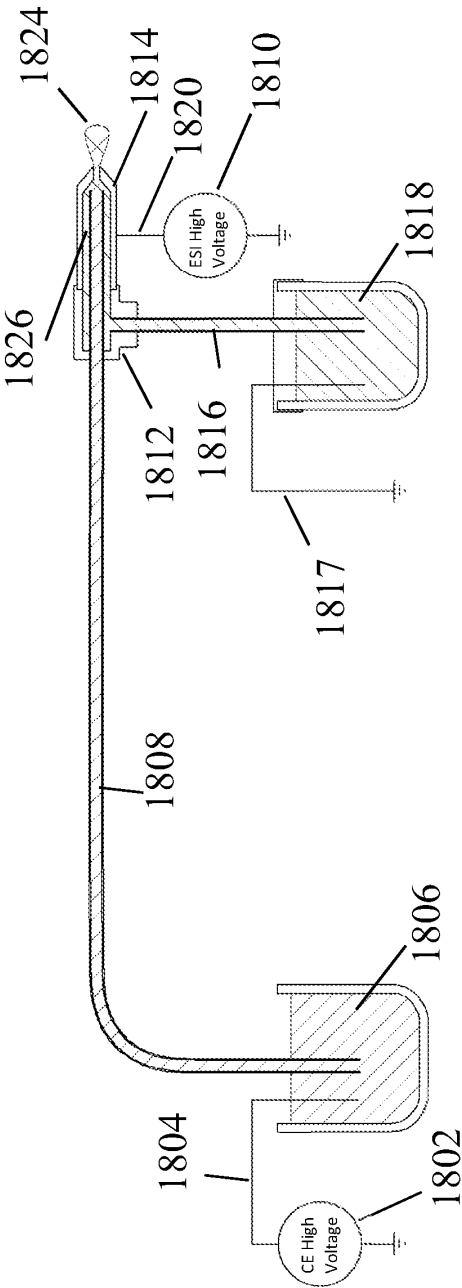


FIG. 14A

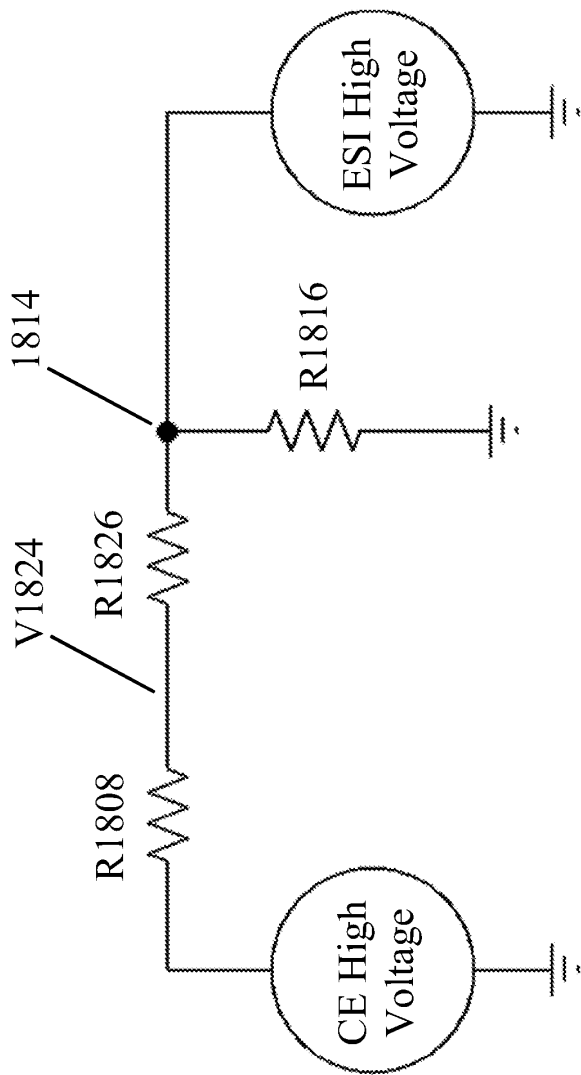


FIG. 14B

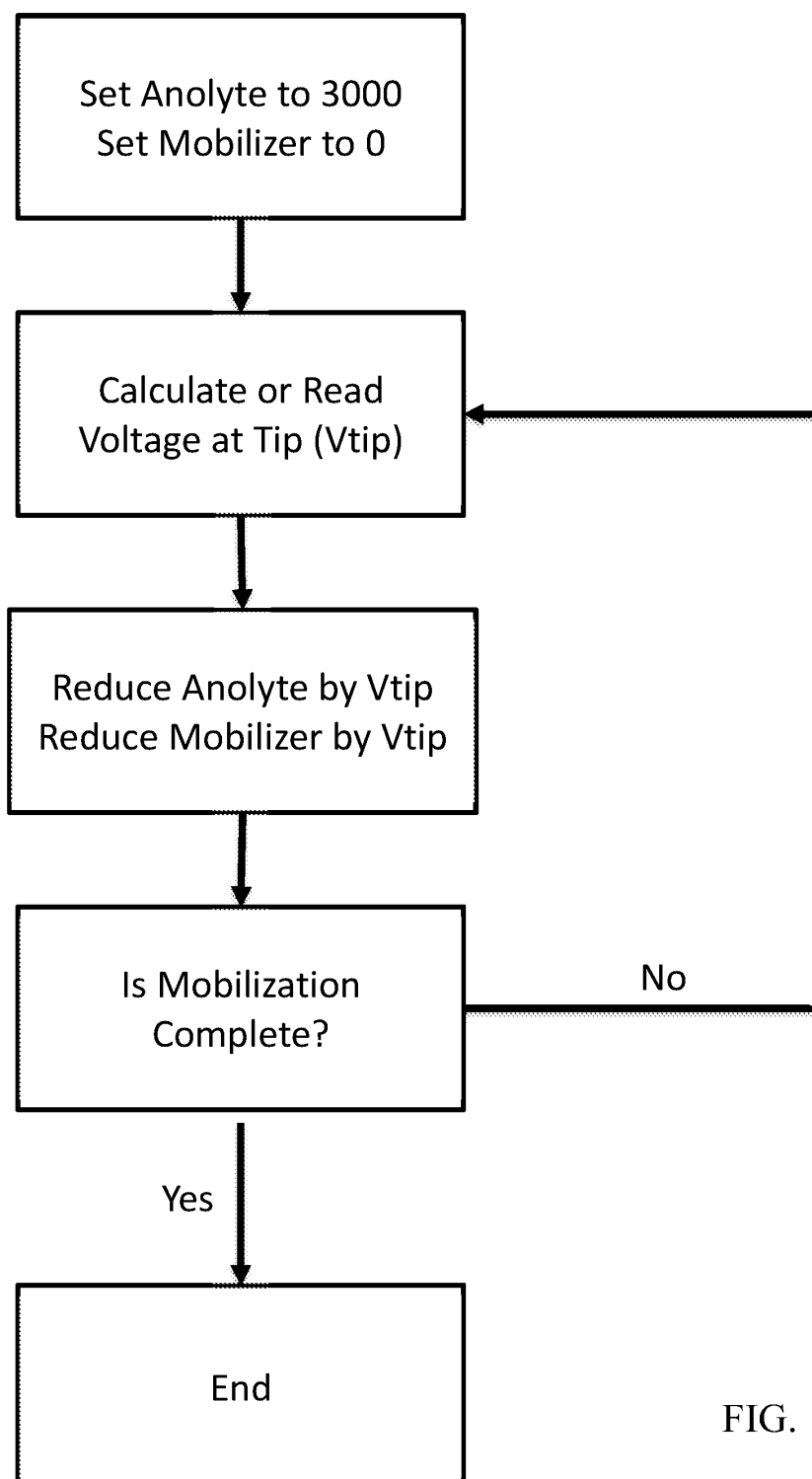
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FIG. 15

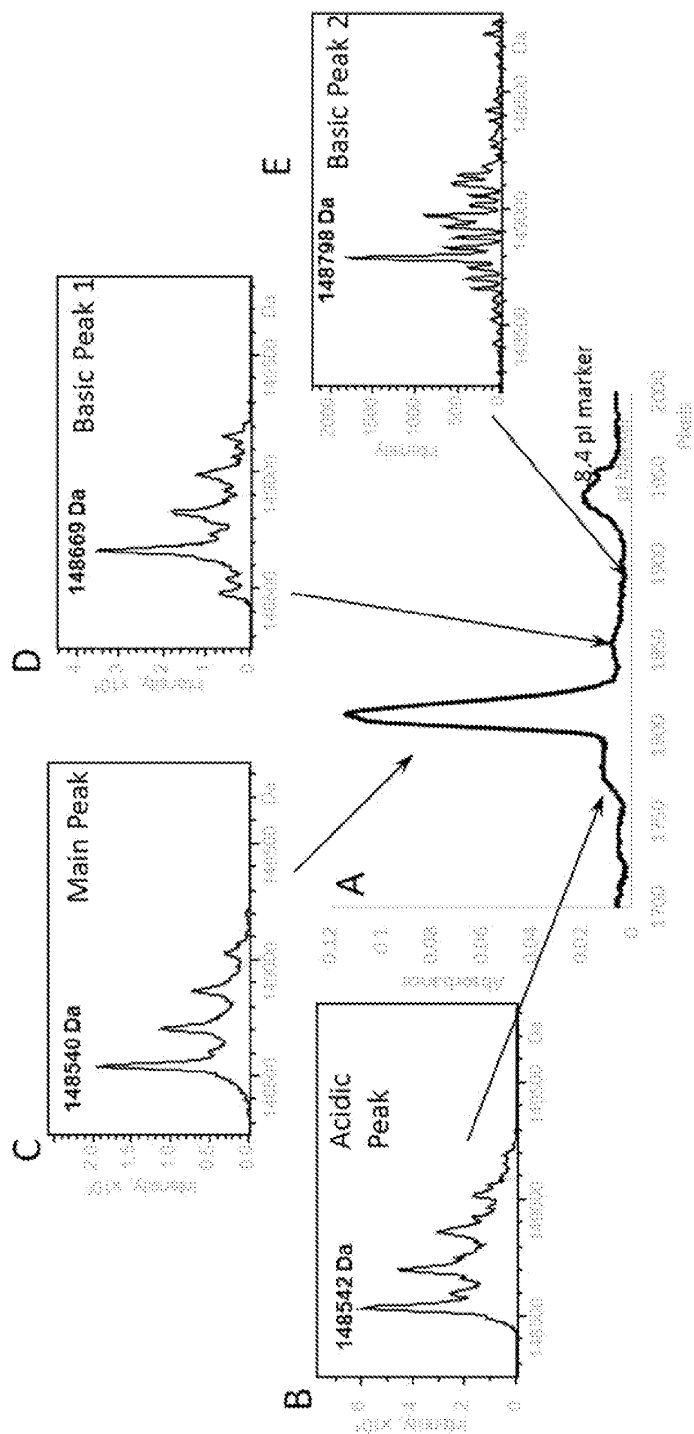


FIG. 16

FIG. 17A

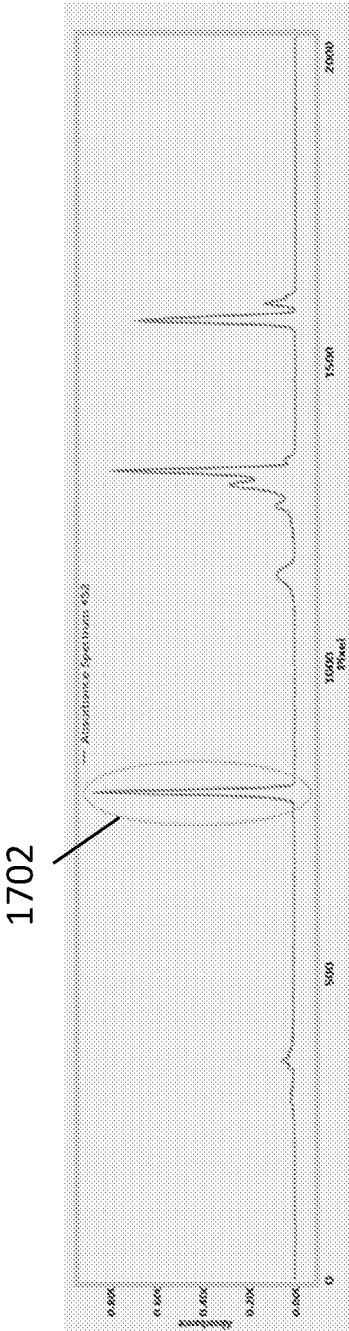
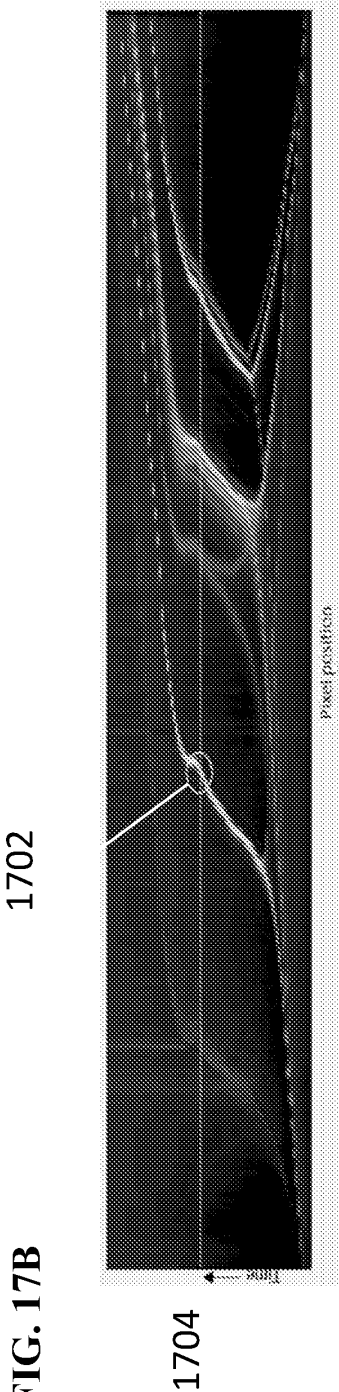
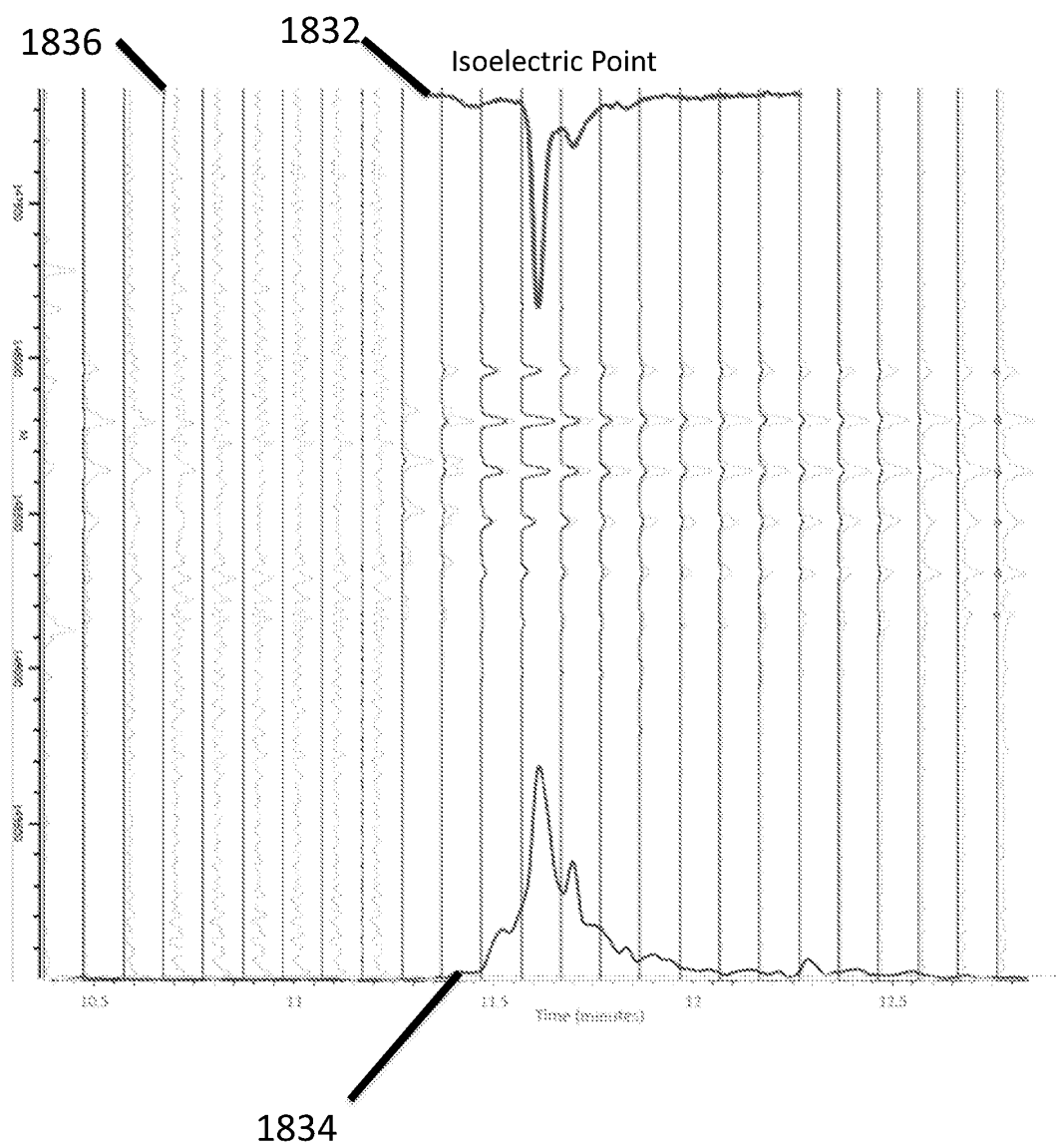


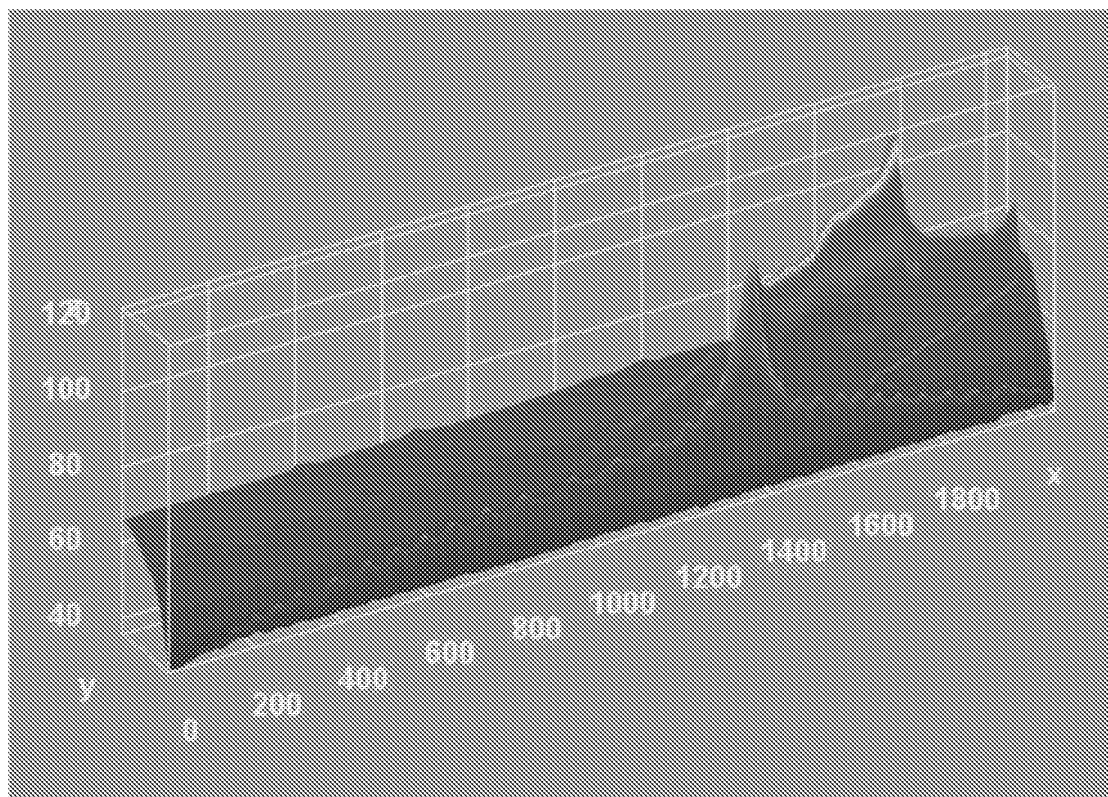
FIG. 17B



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FIG. 18



25/29**FIG. 19**

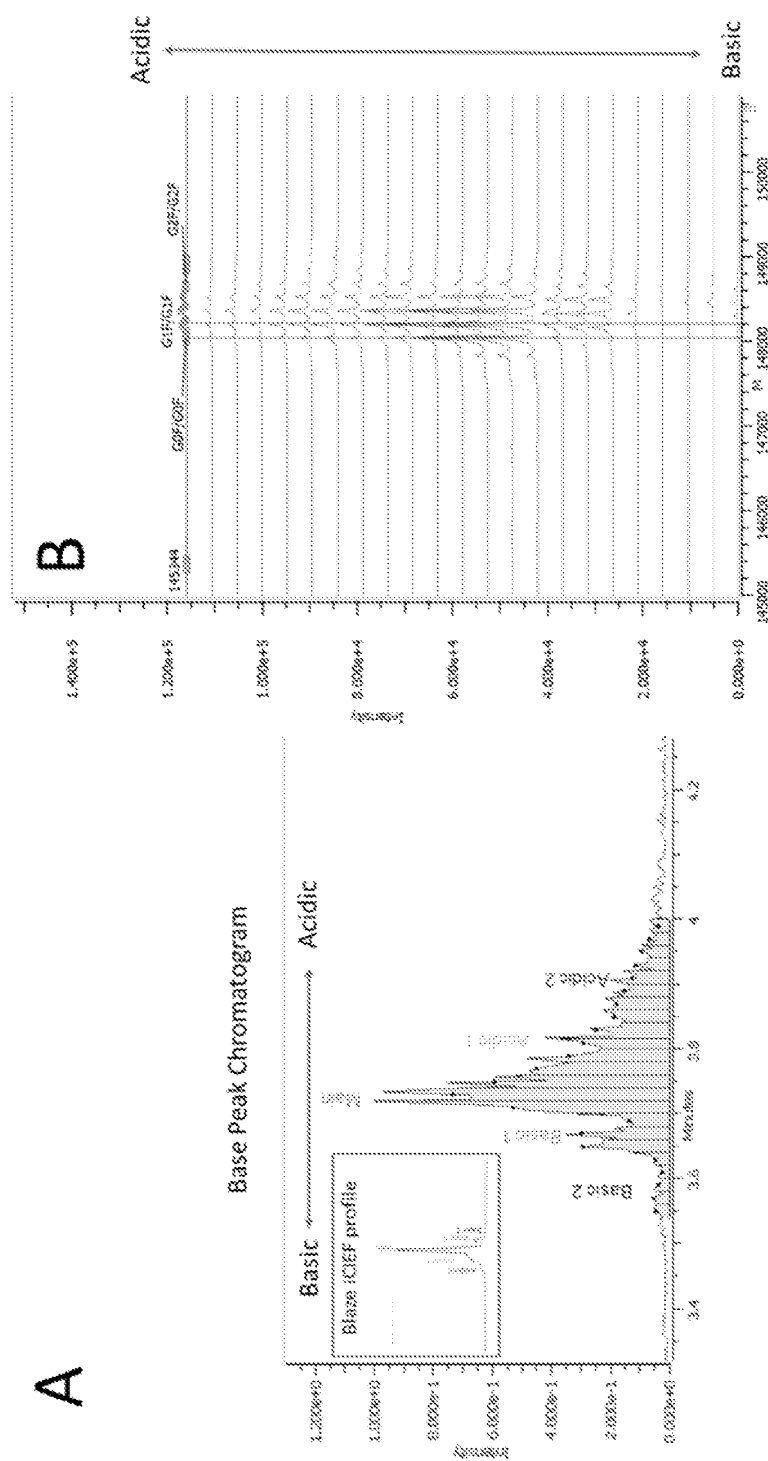


FIG. 20

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PTM	IEF / CZE change	Mass change
Lys variant at C-terminus	more basic	128
Proline amidation at C-terminus (hC)	more basic	57
Deamidation (Asn to Asp)	more acidic	0.984
Deamidation (Gln to Glu)	more acidic	0.984
Glycation	more acidic	162
Isomerizaion (Asp to isoAsp)	NA	14
Oxidation (Cys, His, Met, Tyr, Trp)	NA	16
Galactose	NA	162
GlcNAc	NA	203
Fucose	NA	146
N-acetylneuraminic acid (NANA, or Neu5Ac)	more acidic	291
N-glycolyl neuraminic acid (NANA, or Neu5Ac)	more acidic	307

B

PTM	IEF / CZE change	Mass change
Glycation	more acidic	162
Galactose	NA	162
Lys variant at C-terminus	more basic	128
Galactose	NA	162
Lys+Galactose	more basic	290
N-acetylneuraminic acid (NANA, or Neu5Ac)	more acidic	291
Difference between a GlcNAc (203) and a fucose (146)	NA	57
Proline amidation at C-terminus (hC)	more basic	57

FIG. 21

