

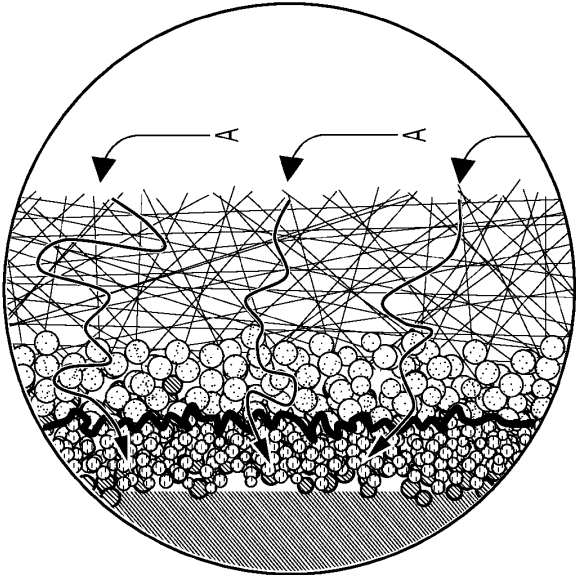


FIG. 2

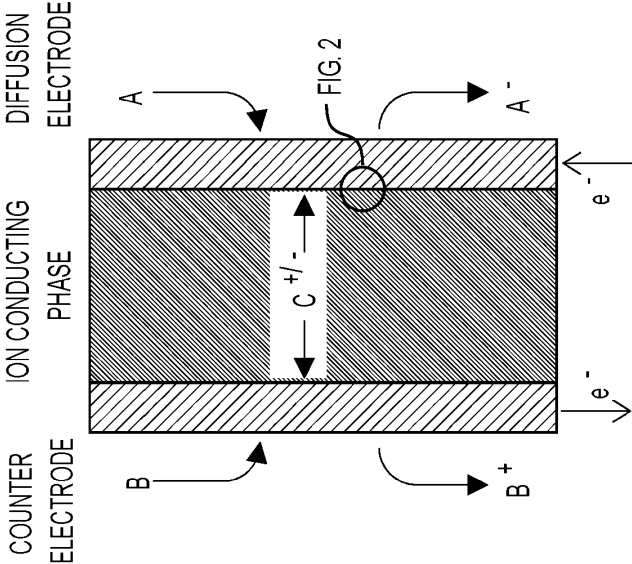


FIG. 1

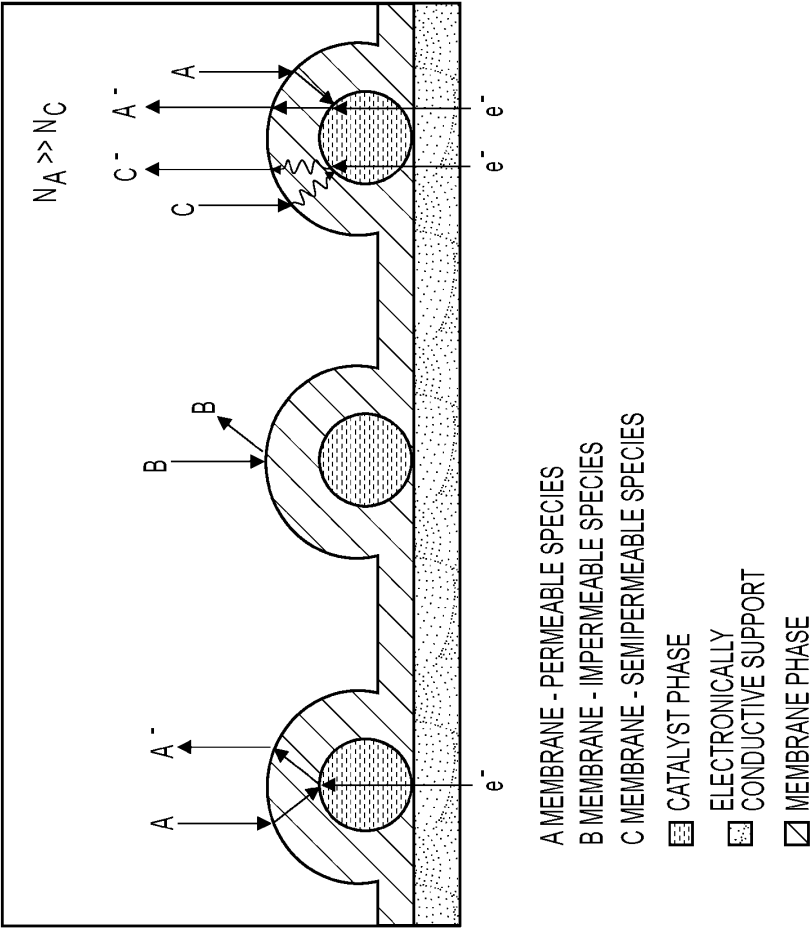


FIG. 3

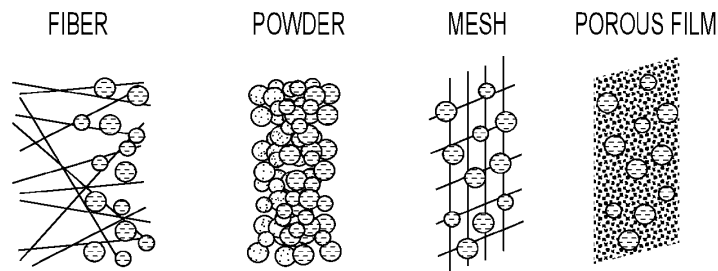
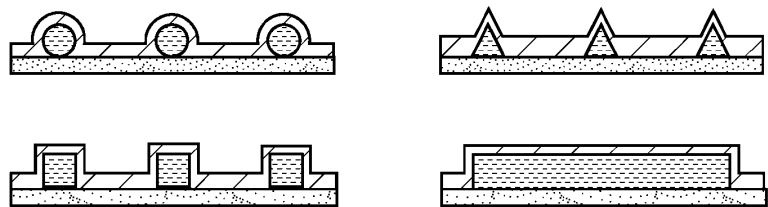


FIG. 4

 CATALYST PARTICLE
 CONDUCTIVE SUPPORT



 ELECTRONICALLY
CONDUCTIVE SUPPORT
 CATALYST PHASE

 MEMBRANE PHASE

FIG. 5

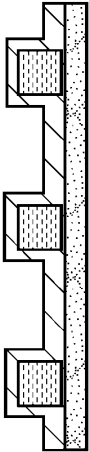


FIG. 6

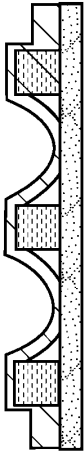


FIG. 7

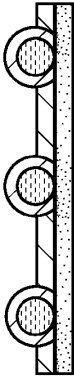
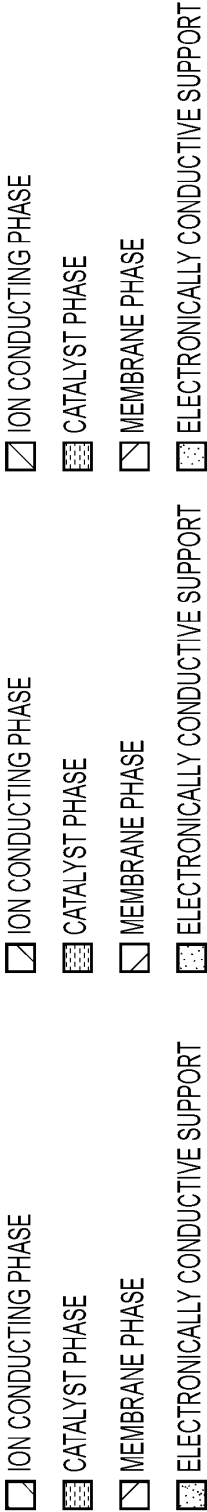


FIG. 8

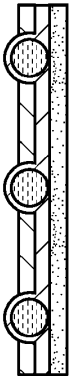
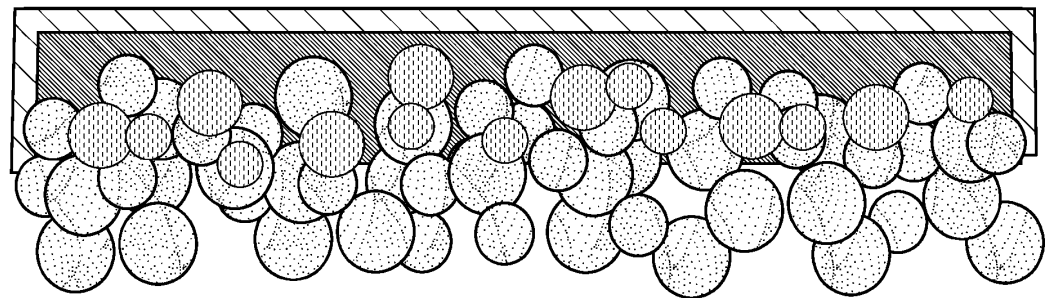


FIG. 9

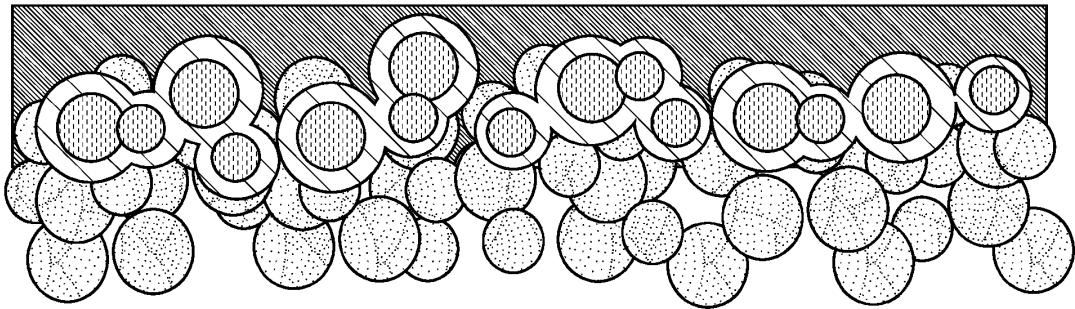


FIG. 10



- CONDUCTIVE SUPPORT
- CATALYST PARTICLE
- MEMBRANE PHASE
- ION CONDUCTING PHASE

FIG. 12



- CONDUCTIVE SUPPORT
- CATALYST PARTICLE
- MEMBRANE PHASE
- ION CONDUCTING PHASE

FIG. 11

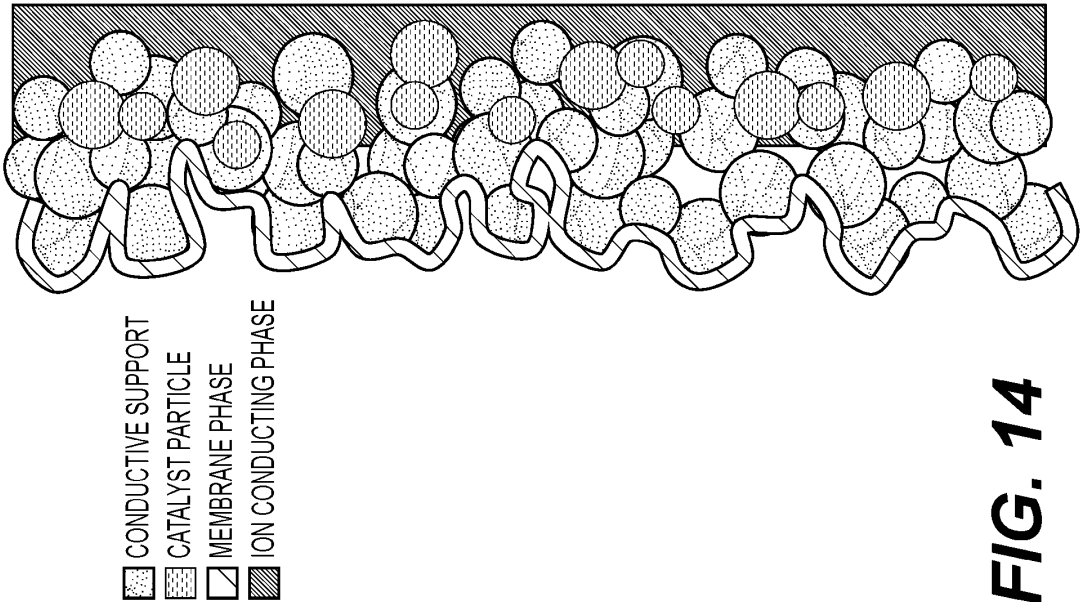


FIG. 14

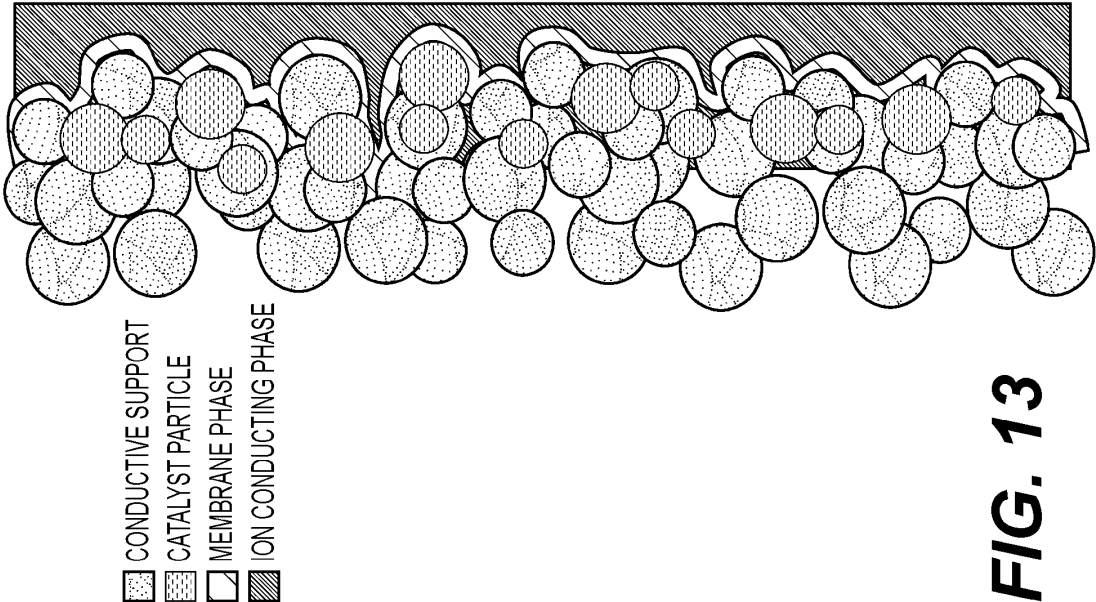
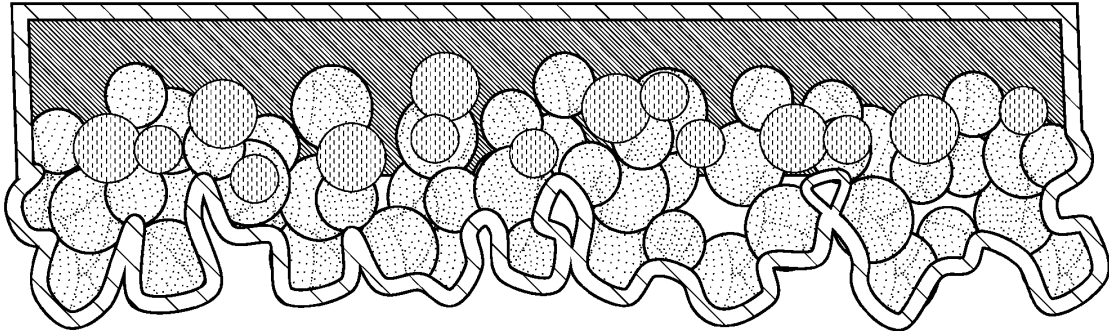
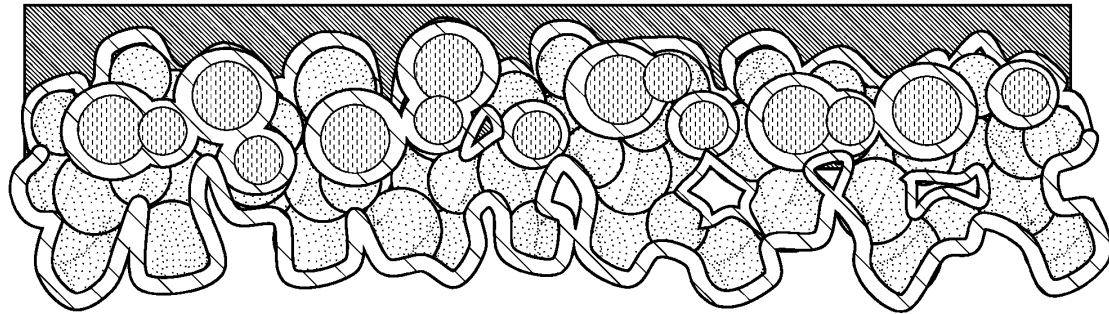


FIG. 13



CONDUCTIVE SUPPORT
CATALYST PARTICLE
MEMBRANE PHASE
ION CONDUCTING PHASE

FIG. 16



CONDUCTIVE SUPPORT
CATALYST PARTICLE
MEMBRANE PHASE
ION CONDUCTING PHASE

FIG. 15

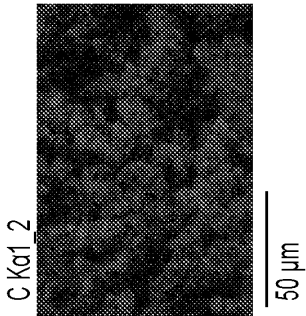


FIG. 17B

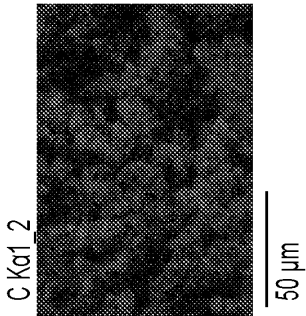


FIG. 17C

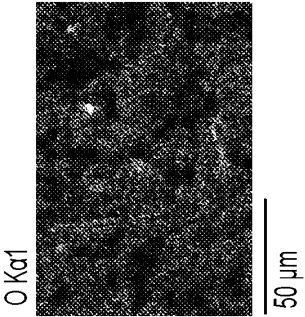


FIG. 17D

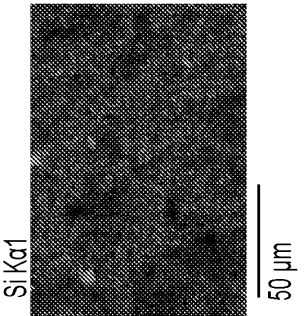


FIG. 17E

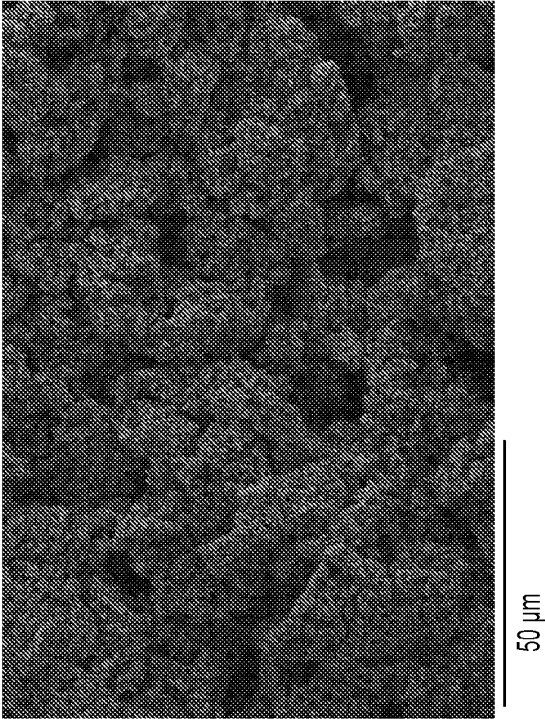


FIG. 17A

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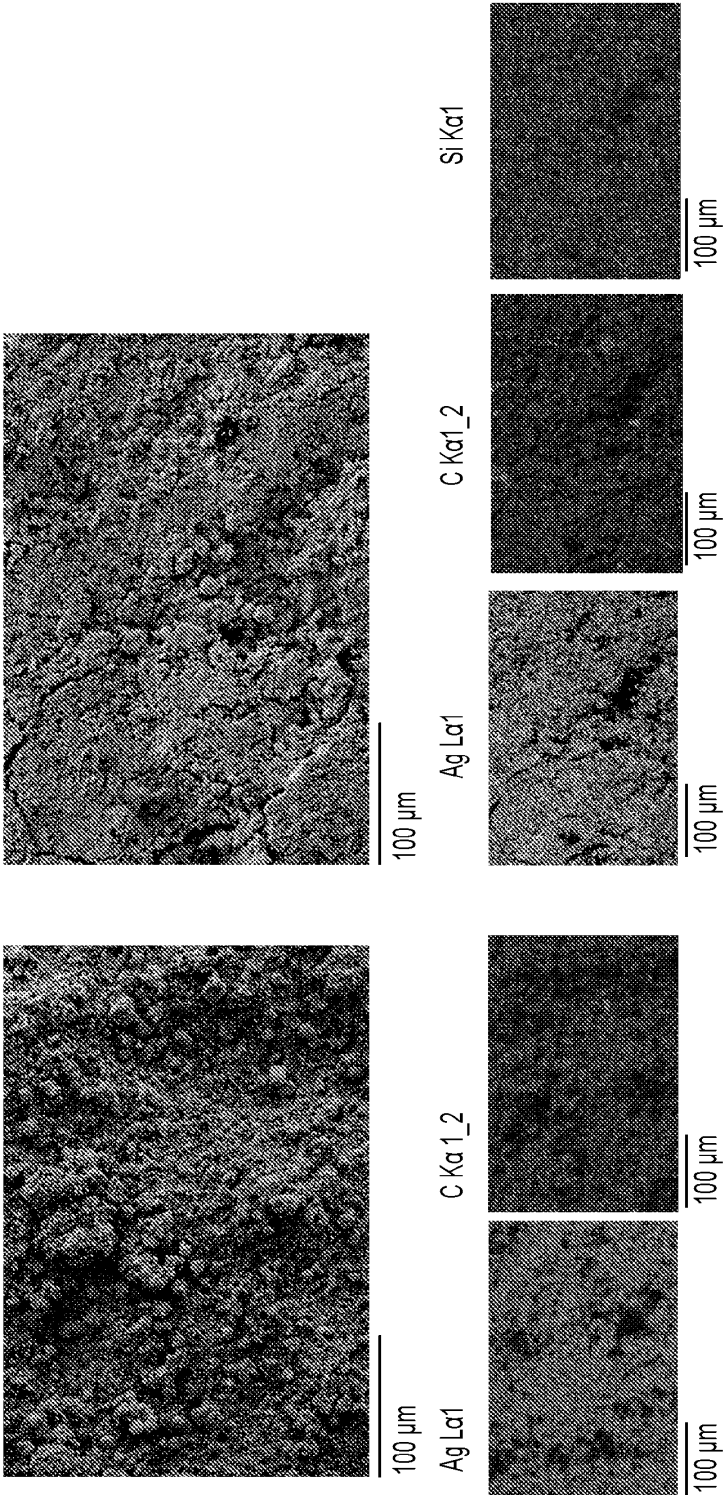
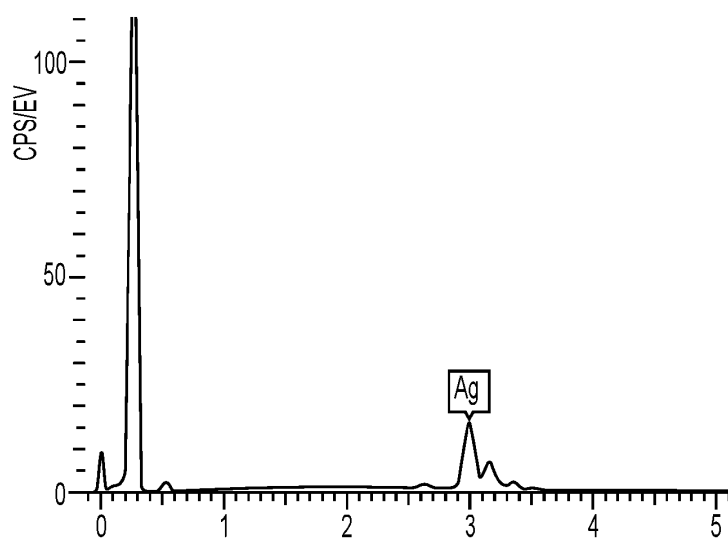
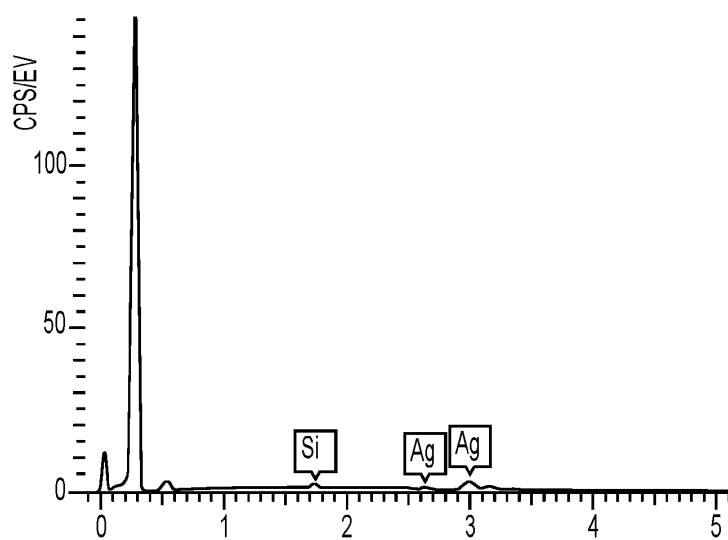


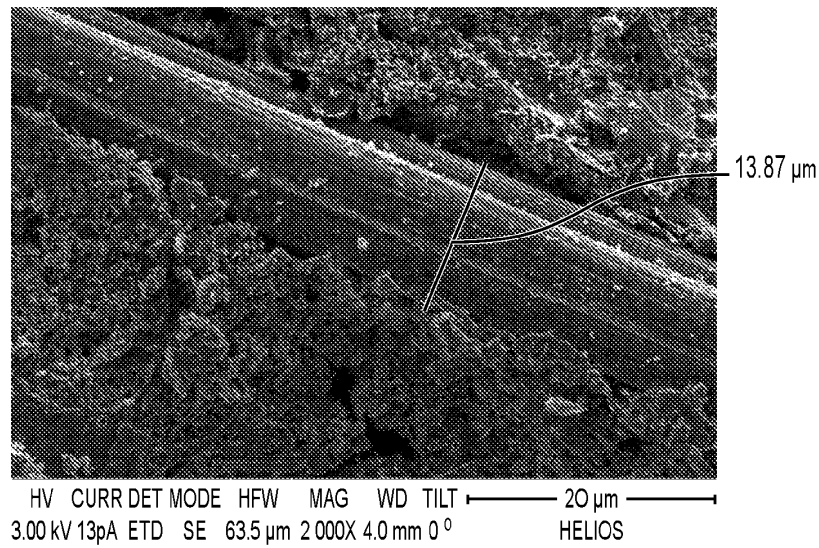
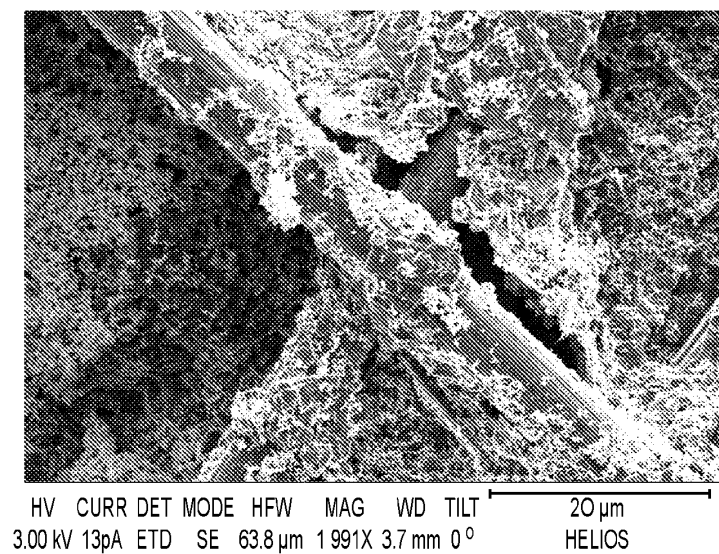
FIG. 18B

FIG. 18A

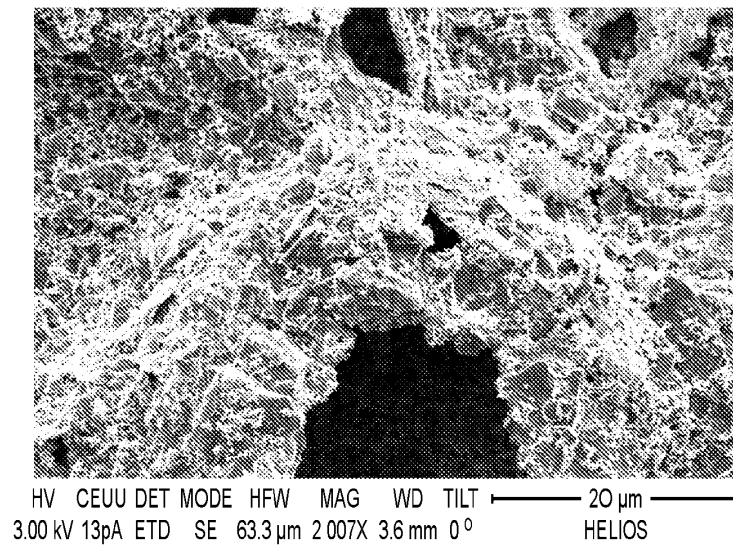
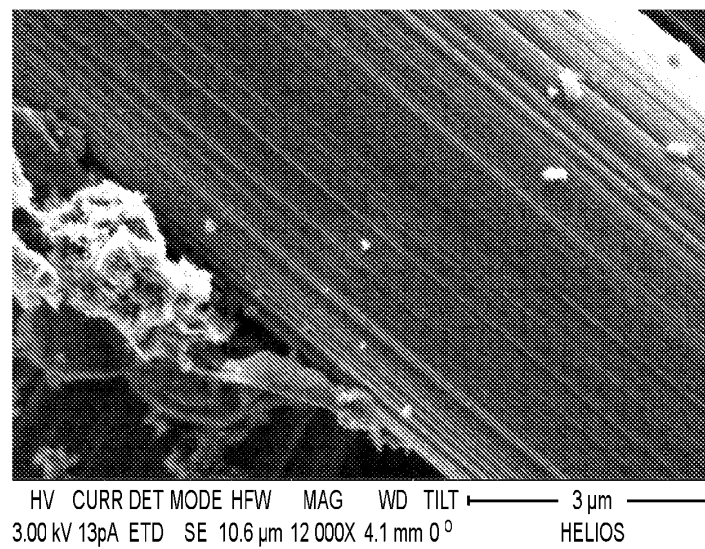
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**FIG. 19A****FIG. 19B**

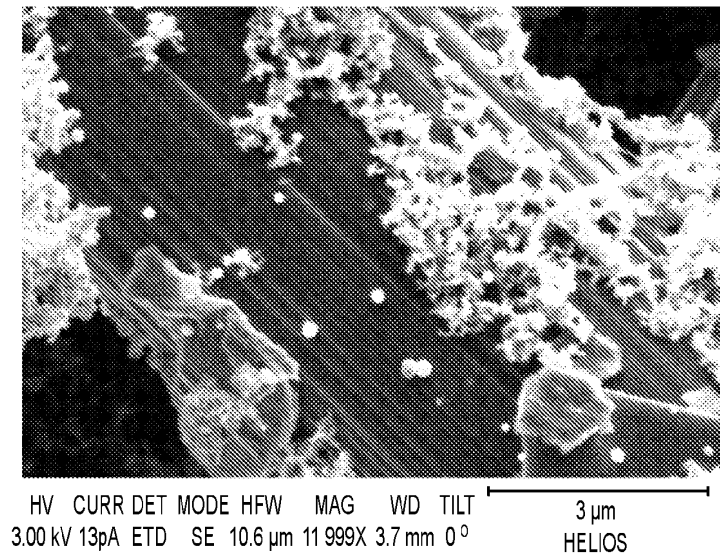
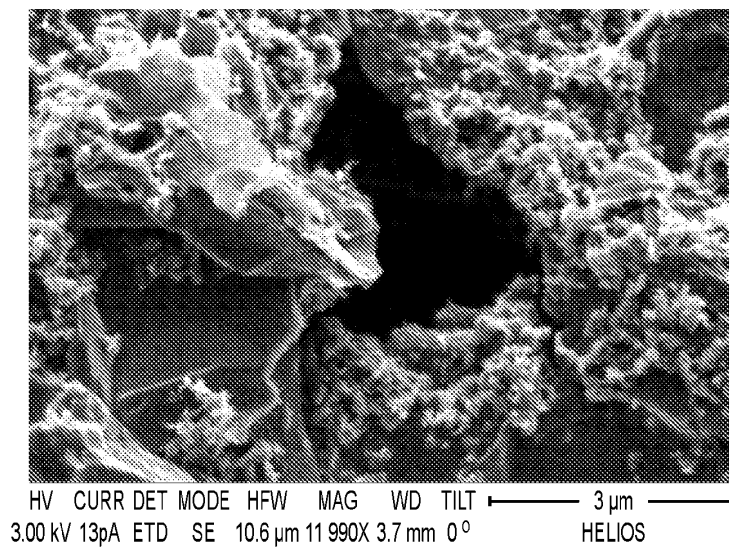
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**FIG. 20A****FIG. 20B**

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**FIG. 20C****FIG. 20D**

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**FIG. 20E****FIG. 20F**

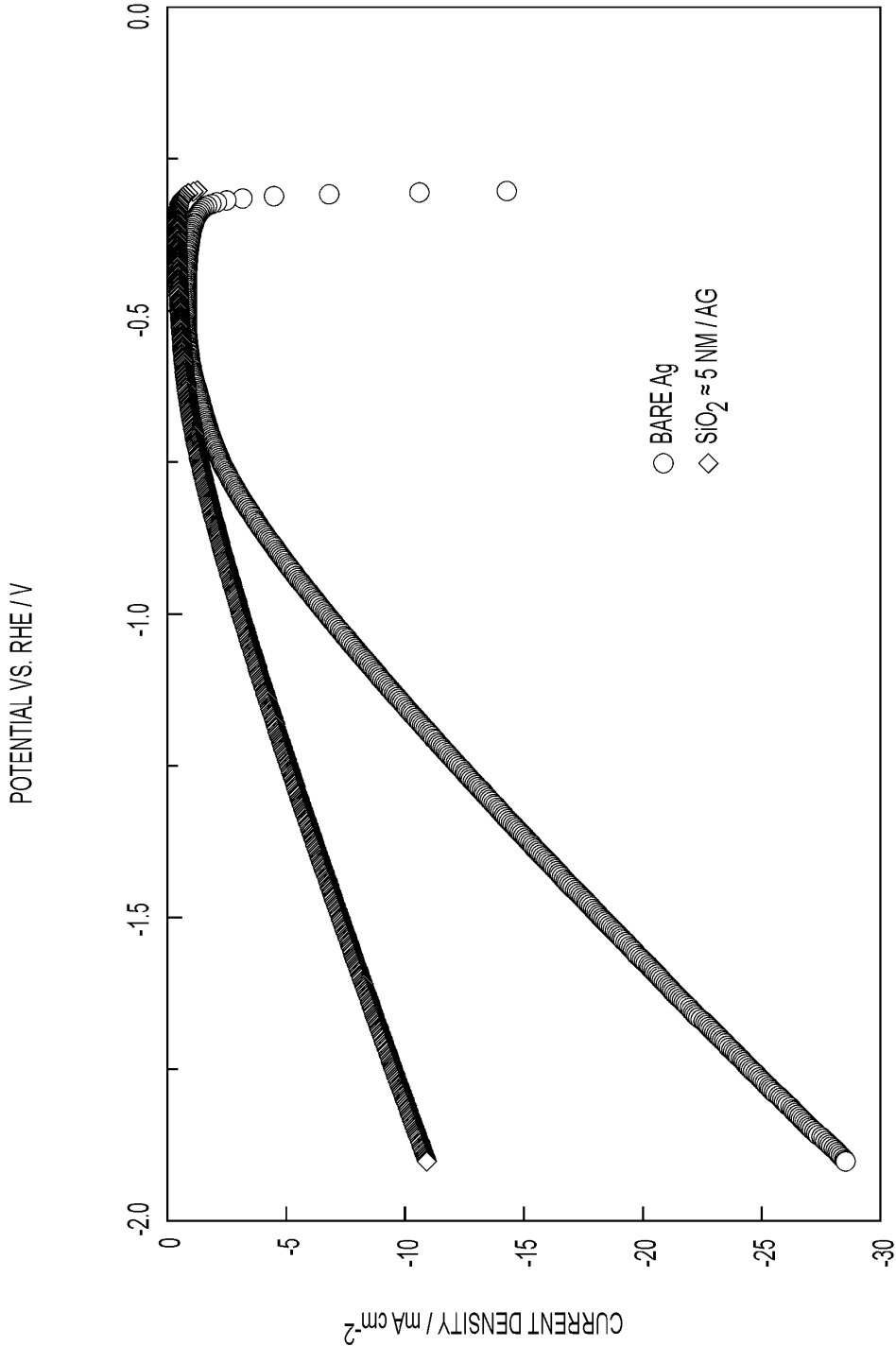


FIG. 21

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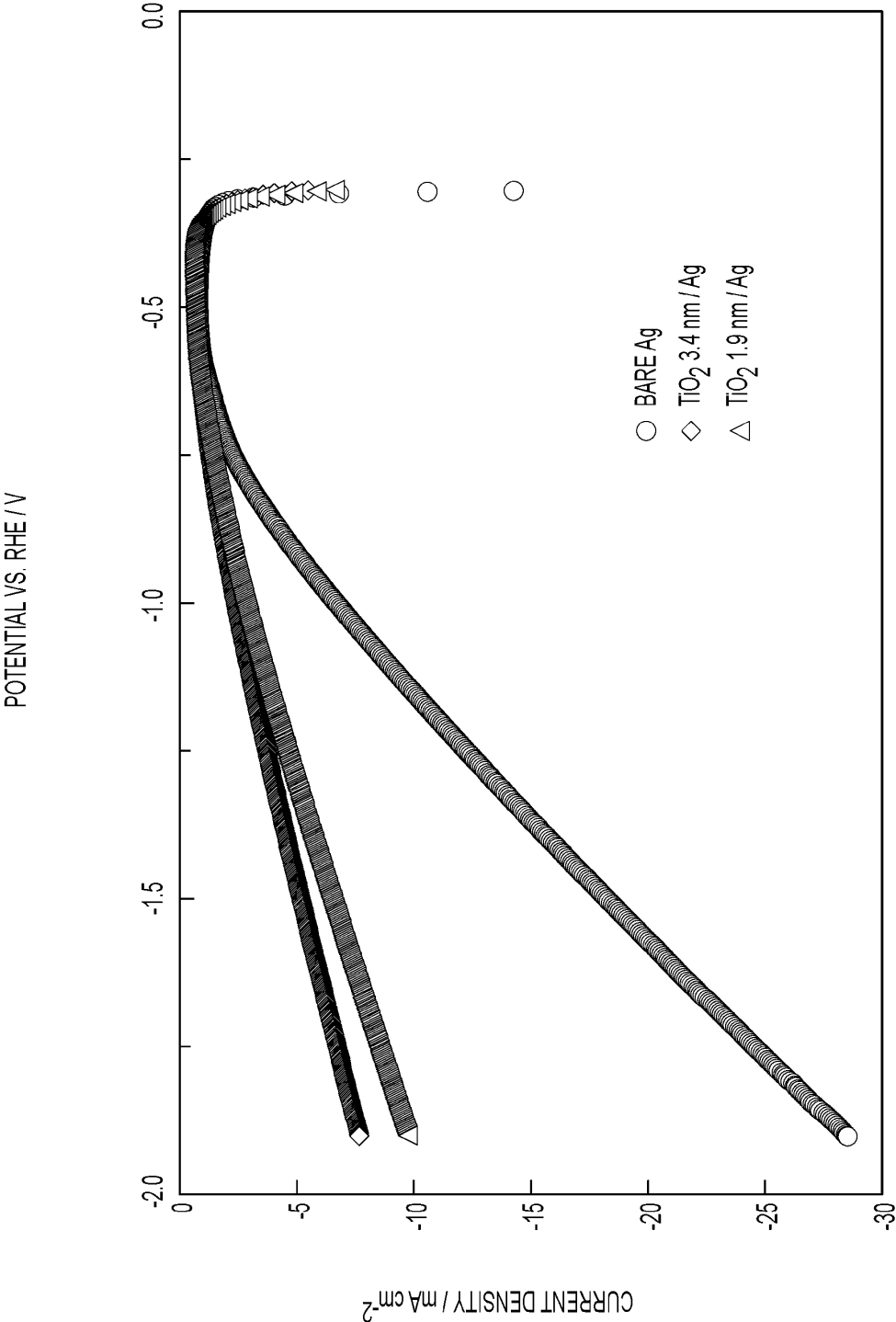


FIG. 22

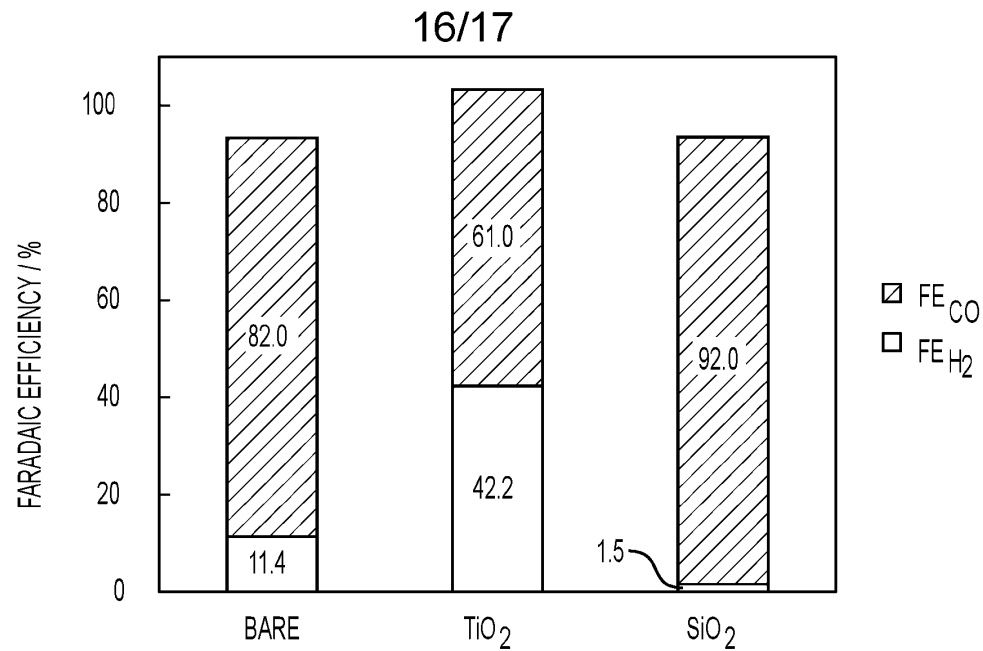


FIG. 23A

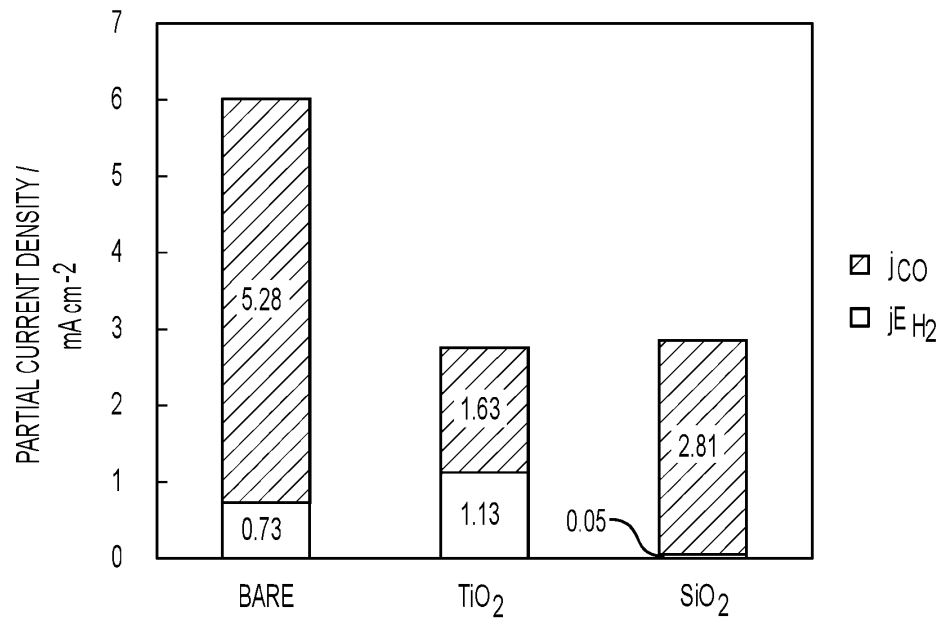


FIG. 23B

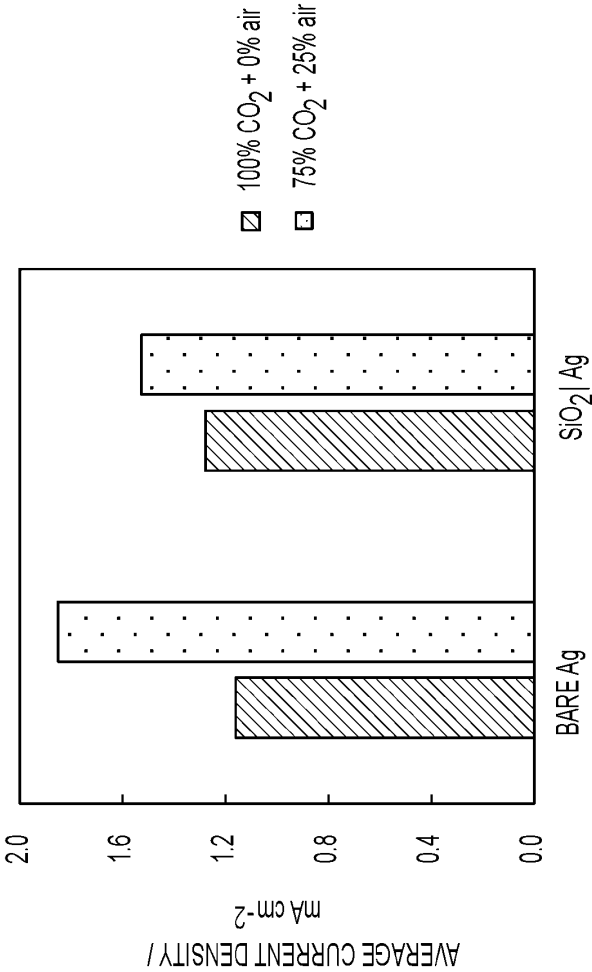


FIG. 24