

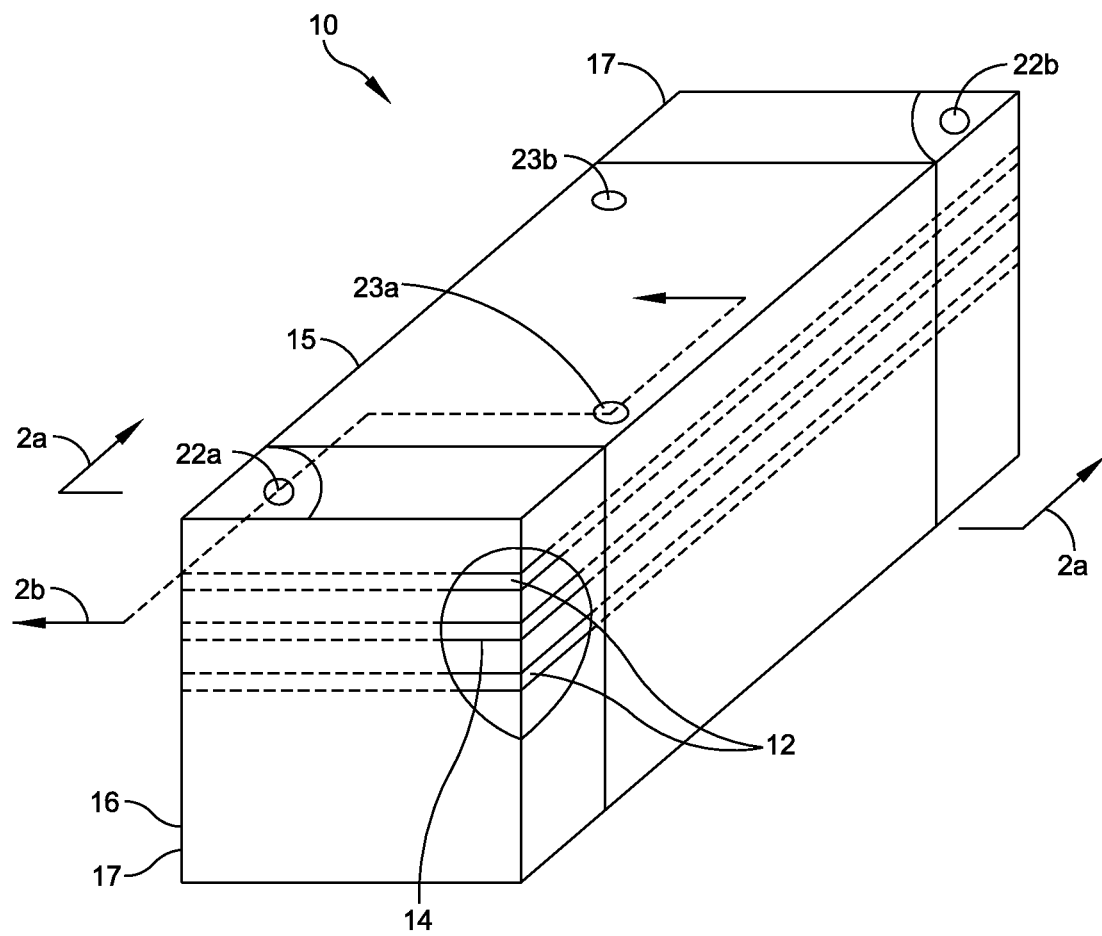


FIG. 1

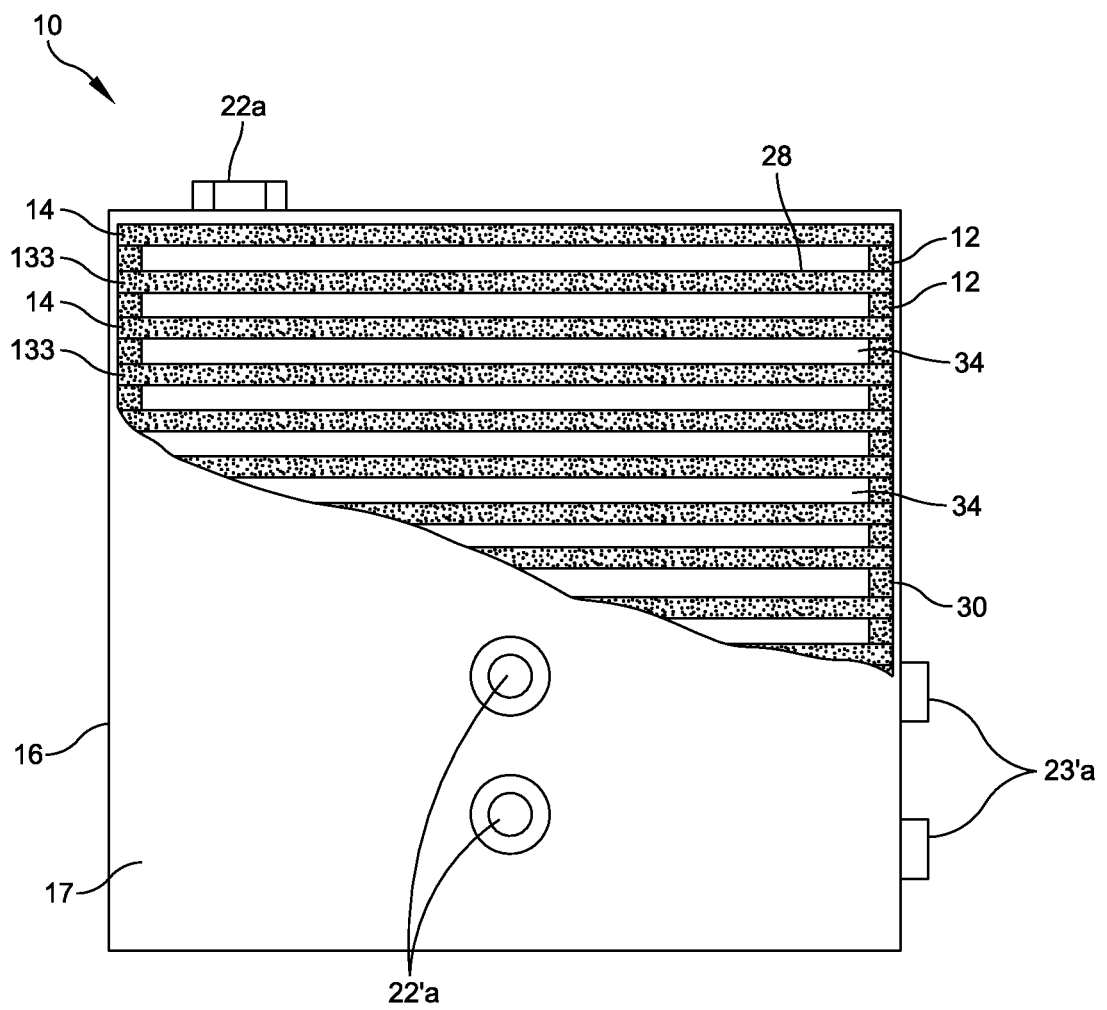


FIG. 2A

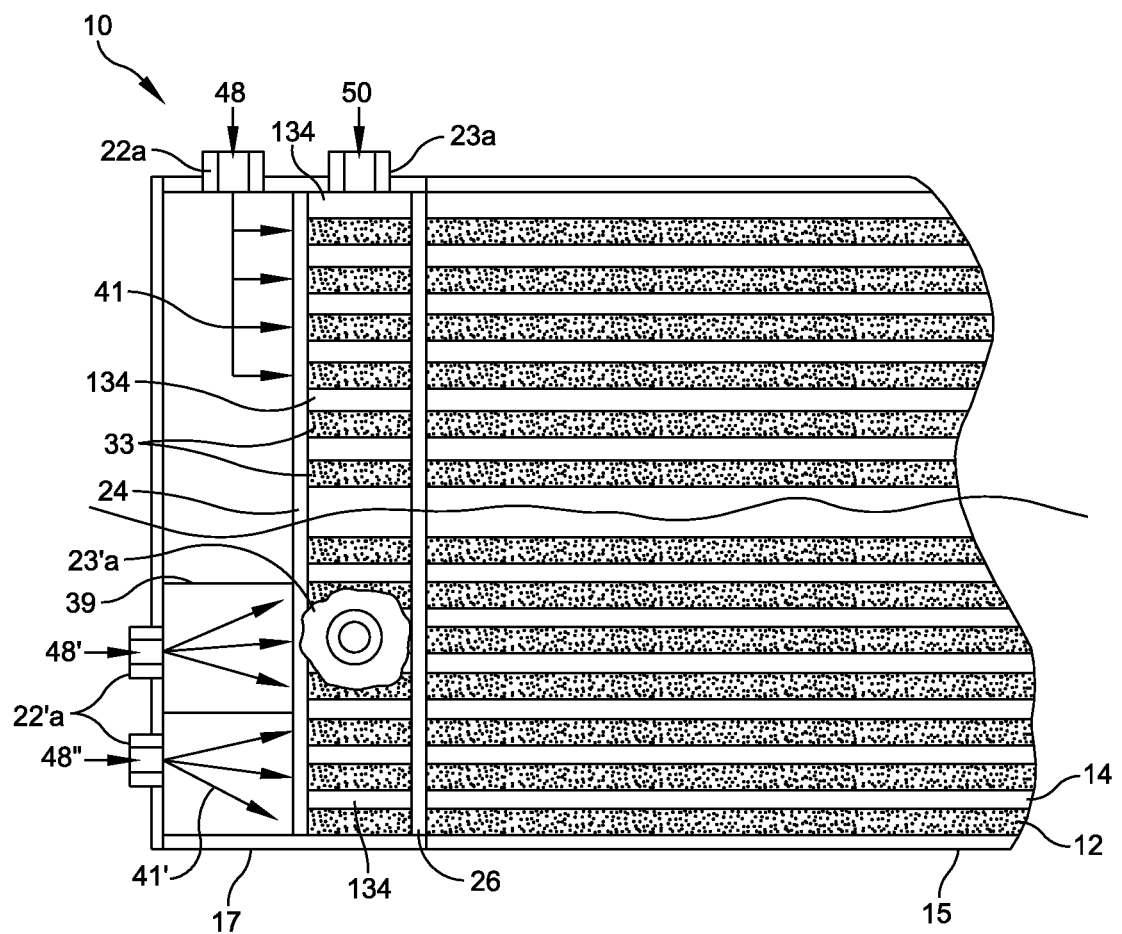


FIG. 2B

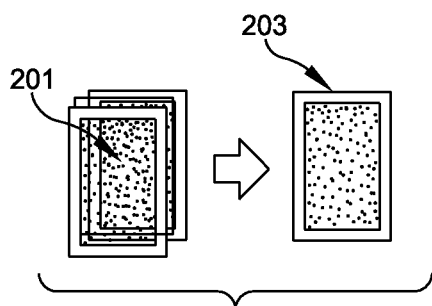


FIG. 3A

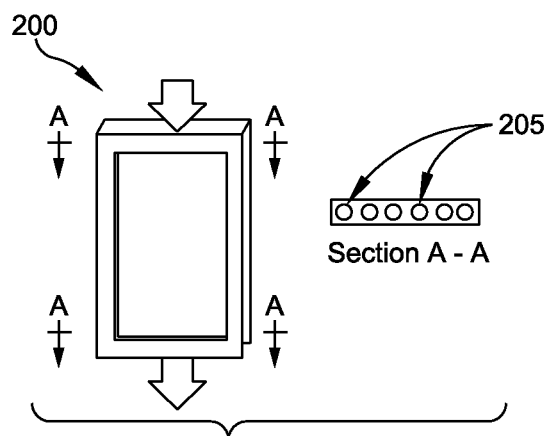


FIG. 3C

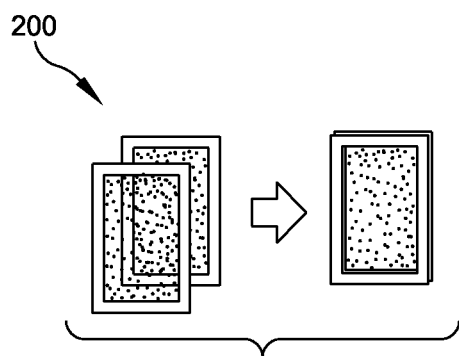


FIG. 3B

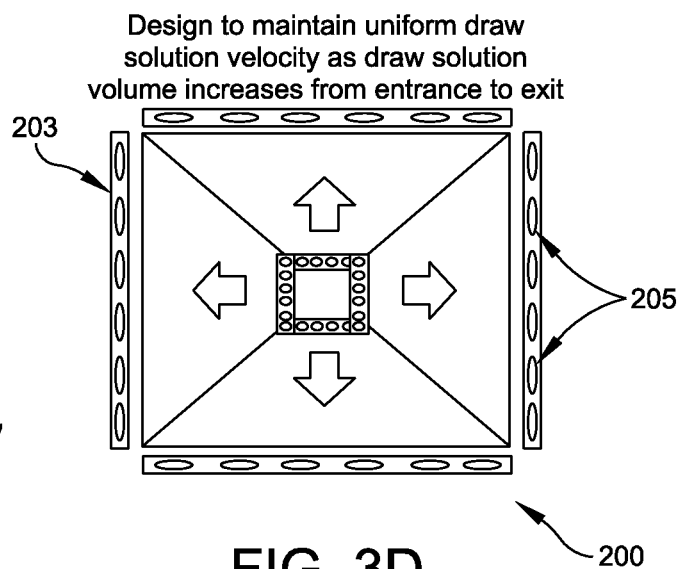


FIG. 3D

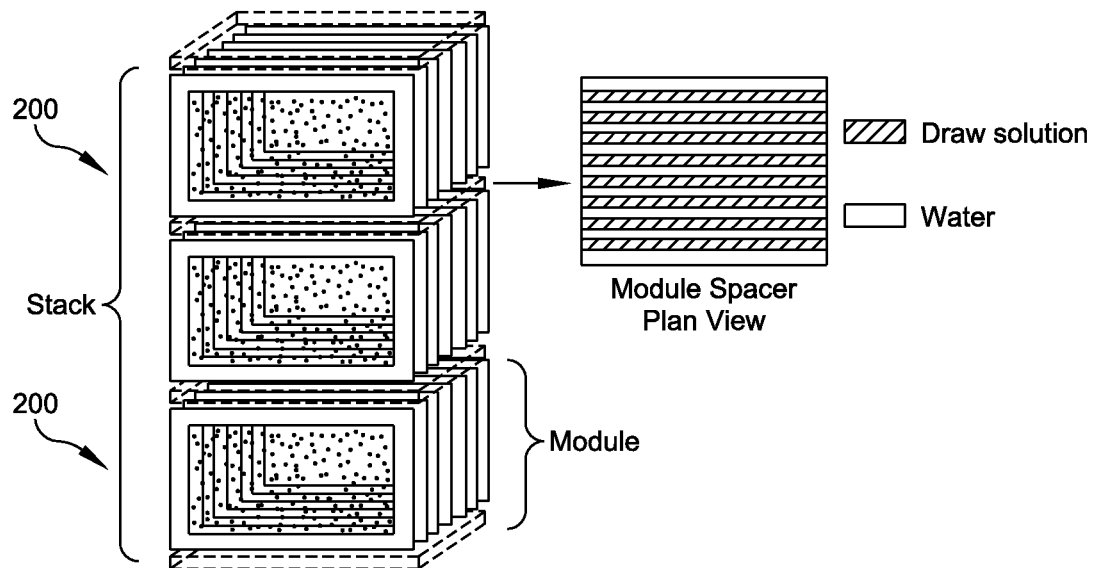


FIG. 4

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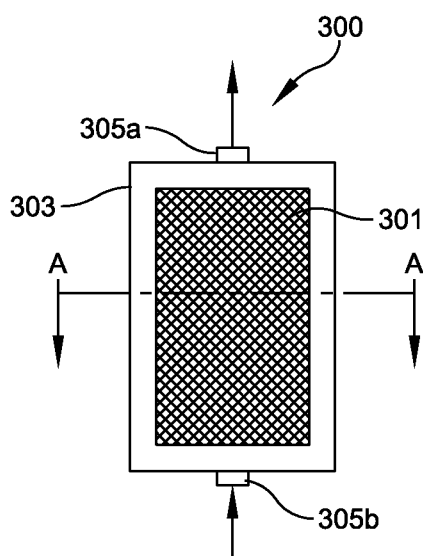


FIG. 5

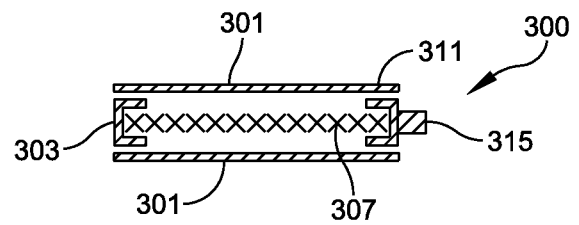


FIG. 5A

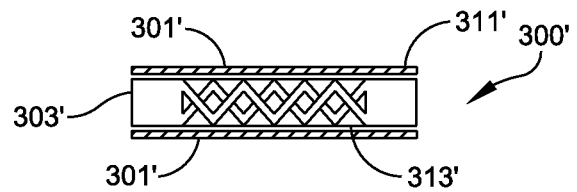


FIG. 5B

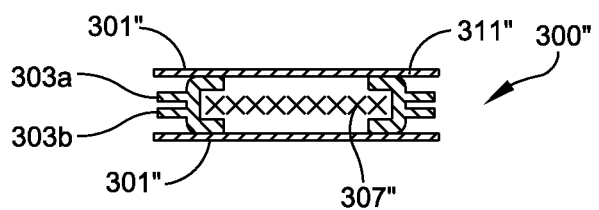


FIG. 5C

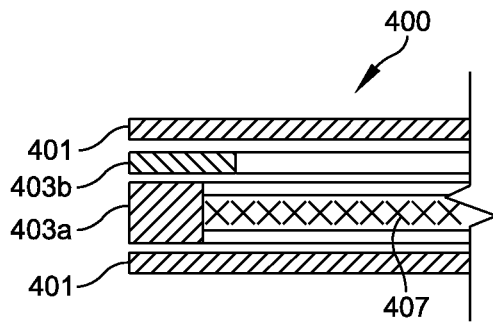


FIG. 6A

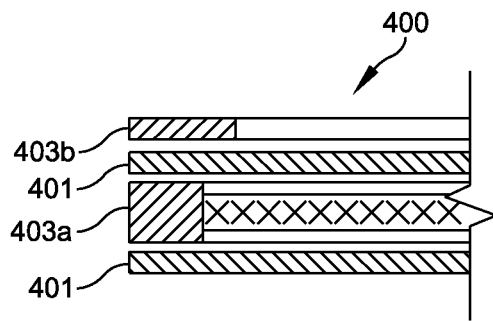


FIG. 6B

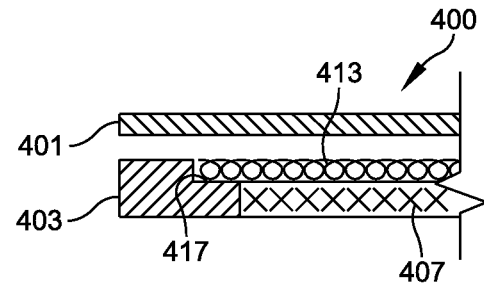


FIG. 6C

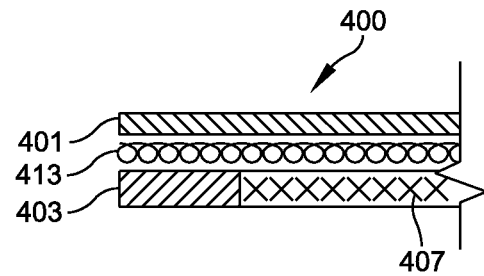


FIG. 6D

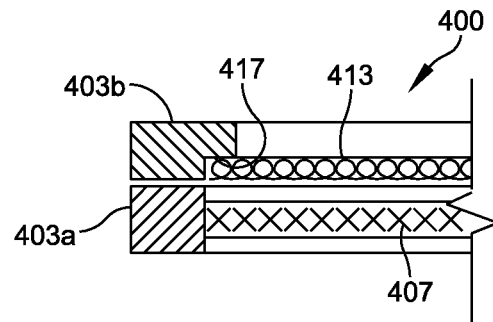


FIG. 6E

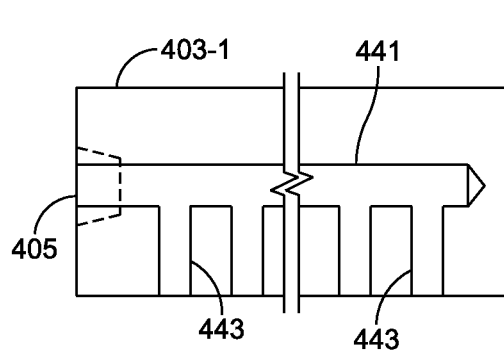


FIG. 6F

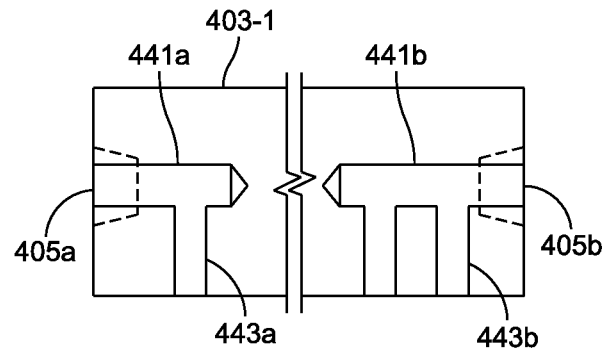


FIG. 6G

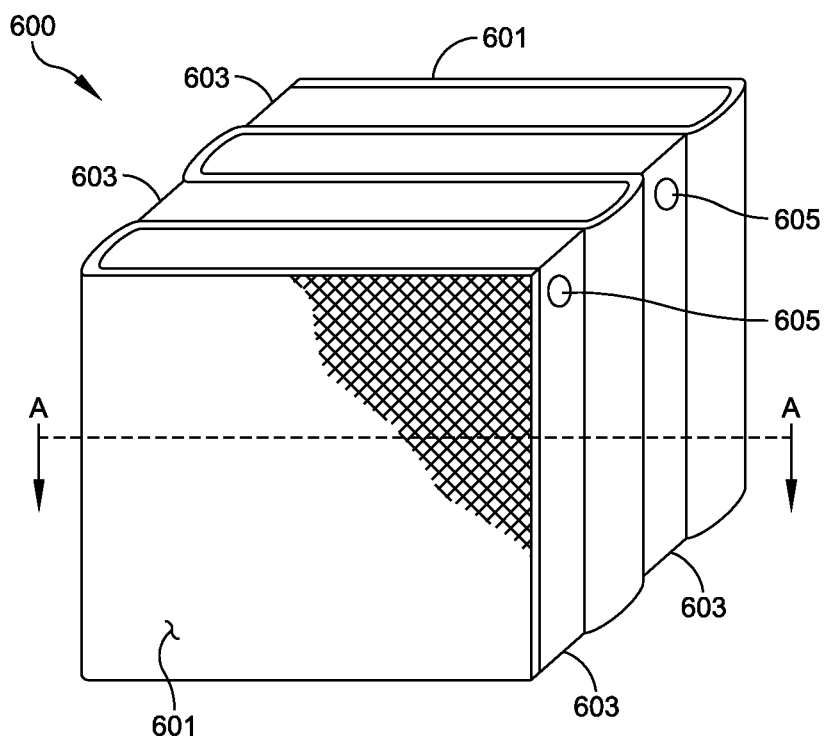


FIG. 8

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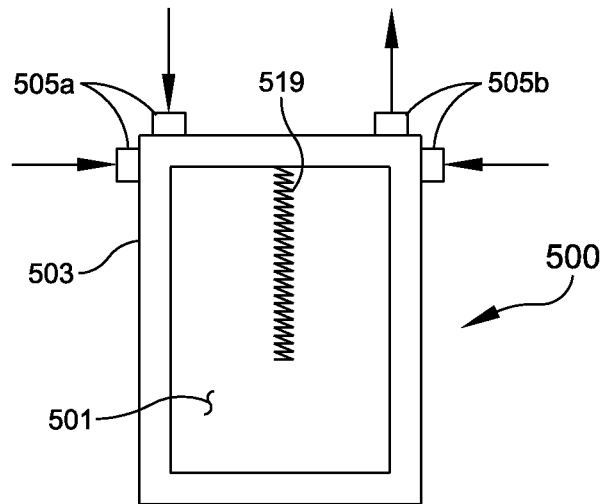


FIG. 7

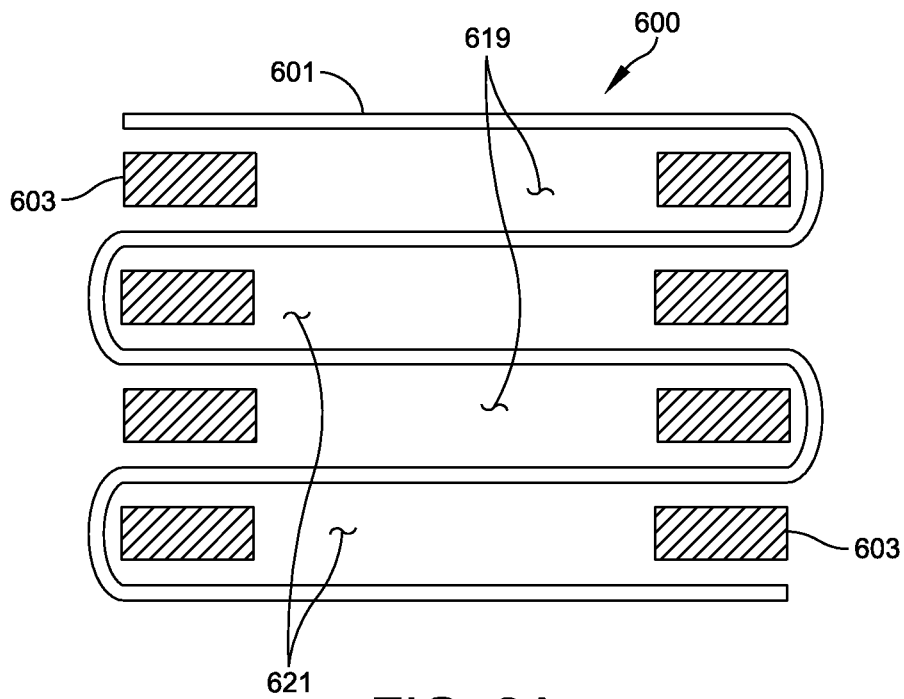


FIG. 8A

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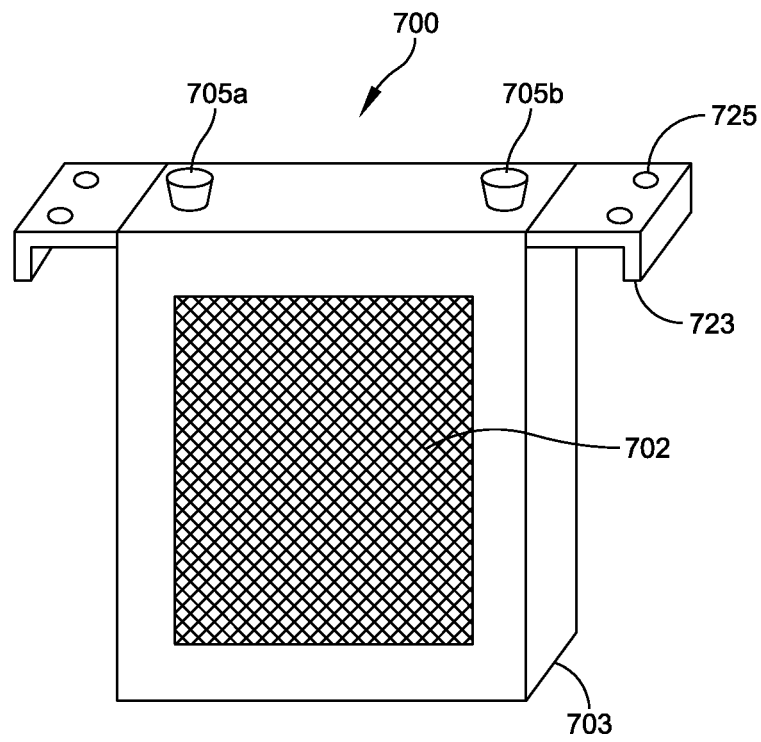


FIG. 9

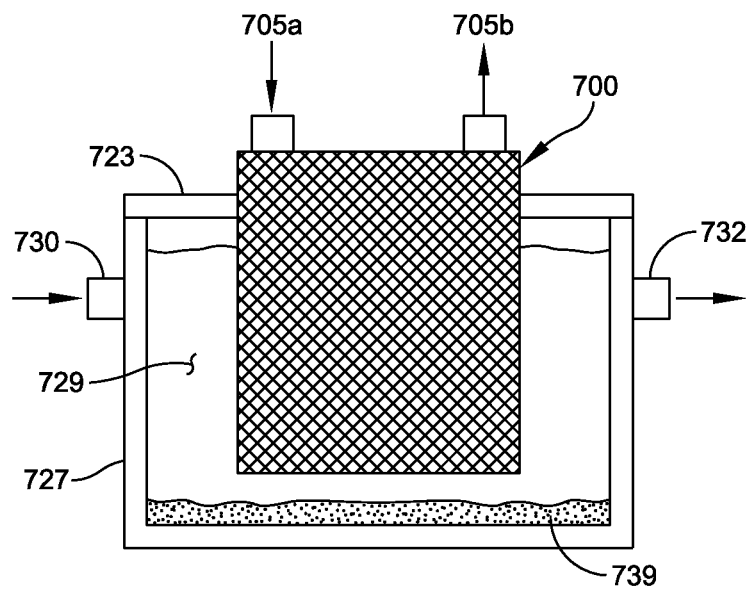


FIG. 10

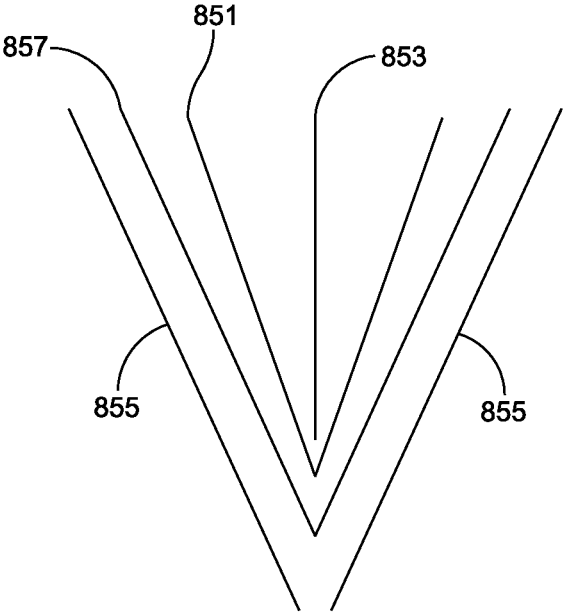


FIG. 11A

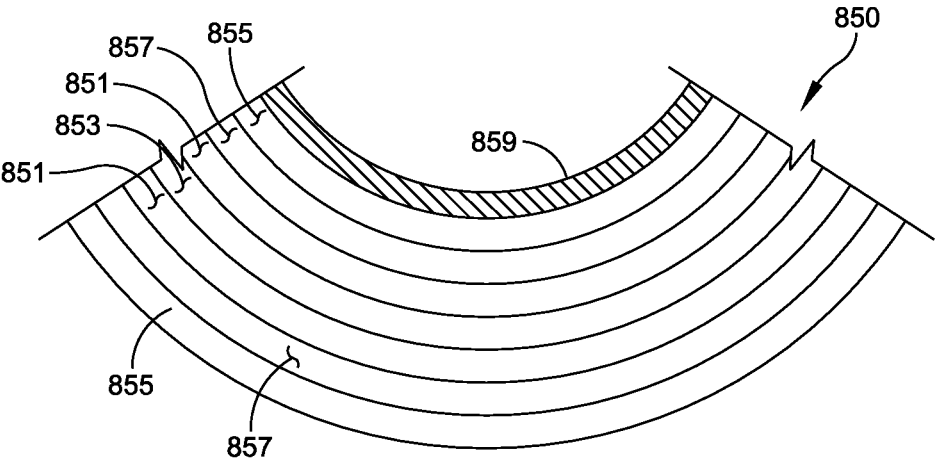


FIG. 11B

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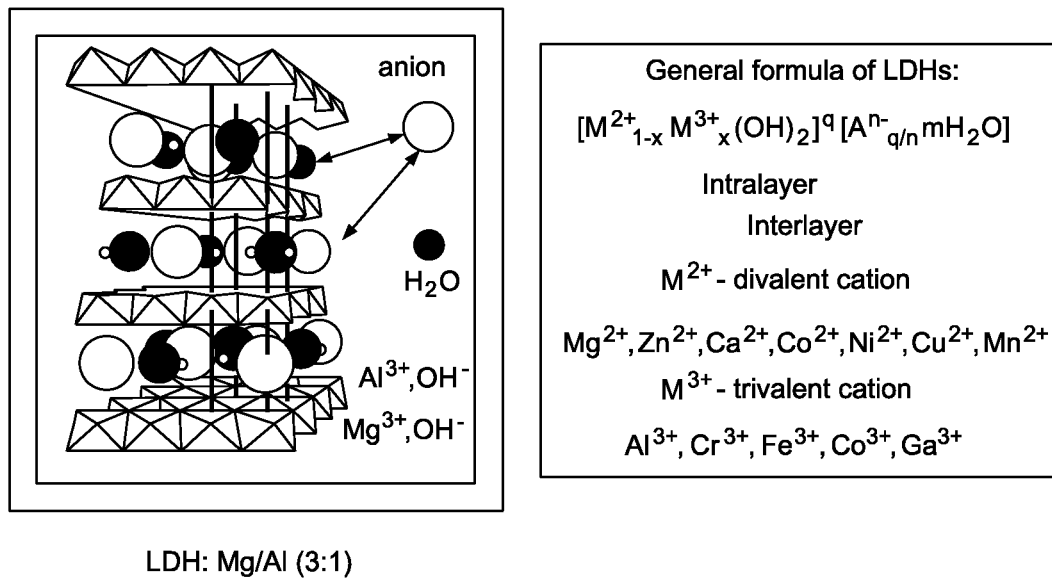


FIG. 12

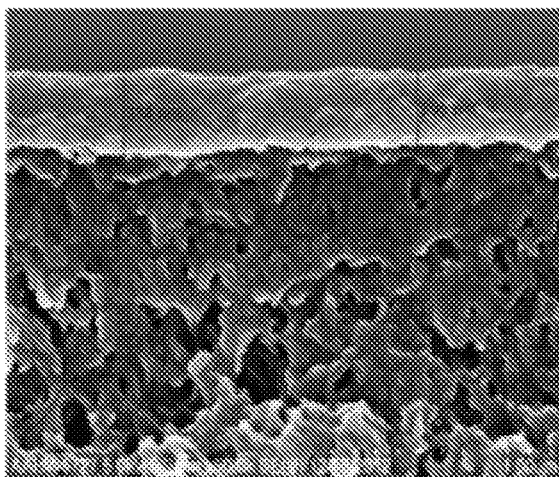
Polyamide thin layer without
nanoparticles

FIG. 13A

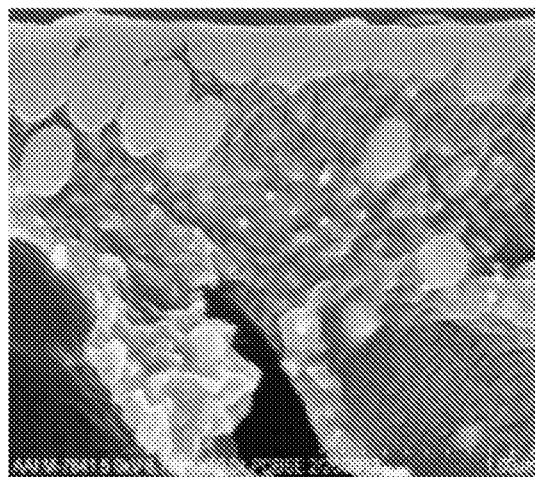
Polyamide thin layer with
nanoparticles Mg/Al (3:1) LDH

FIG. 13B

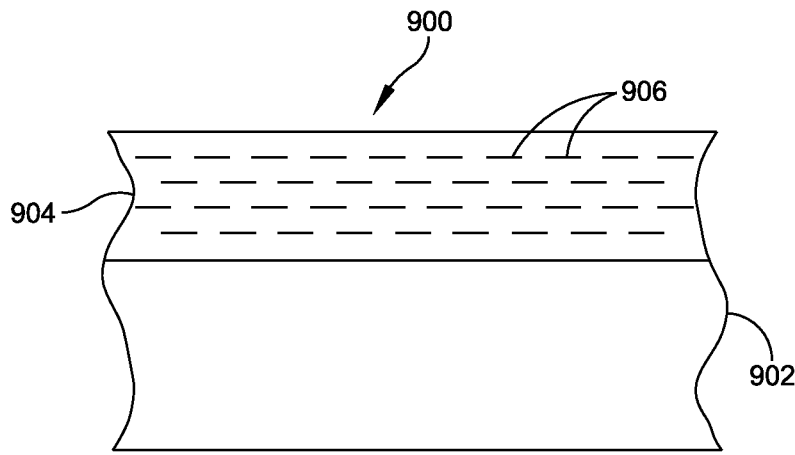


FIG. 14A

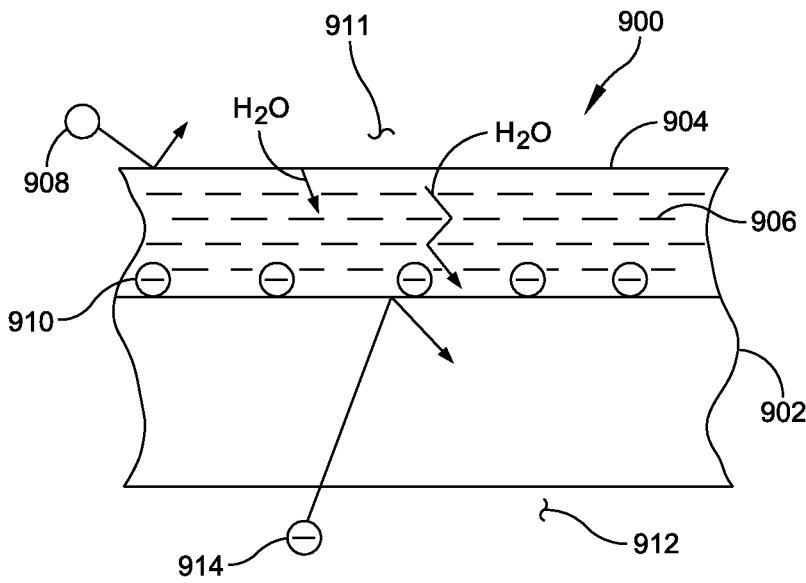


FIG. 14B

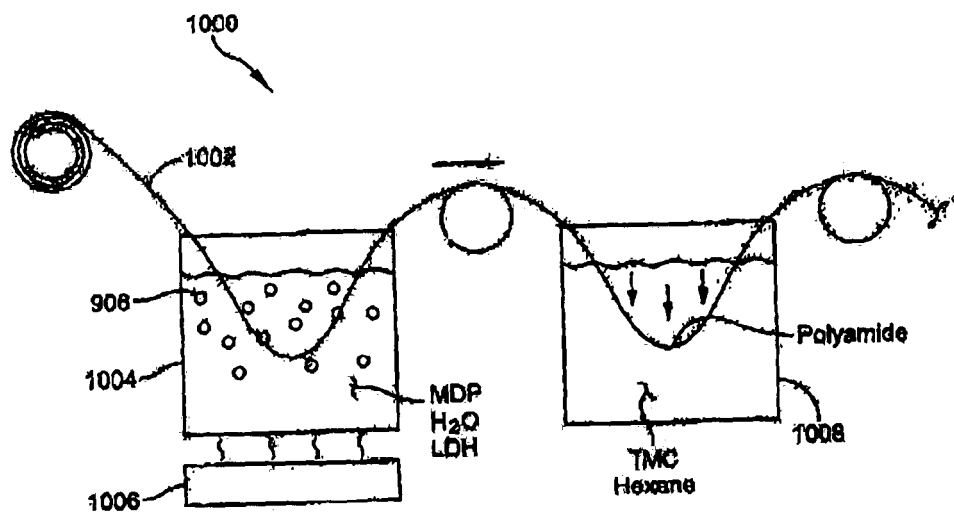


FIG. 15