

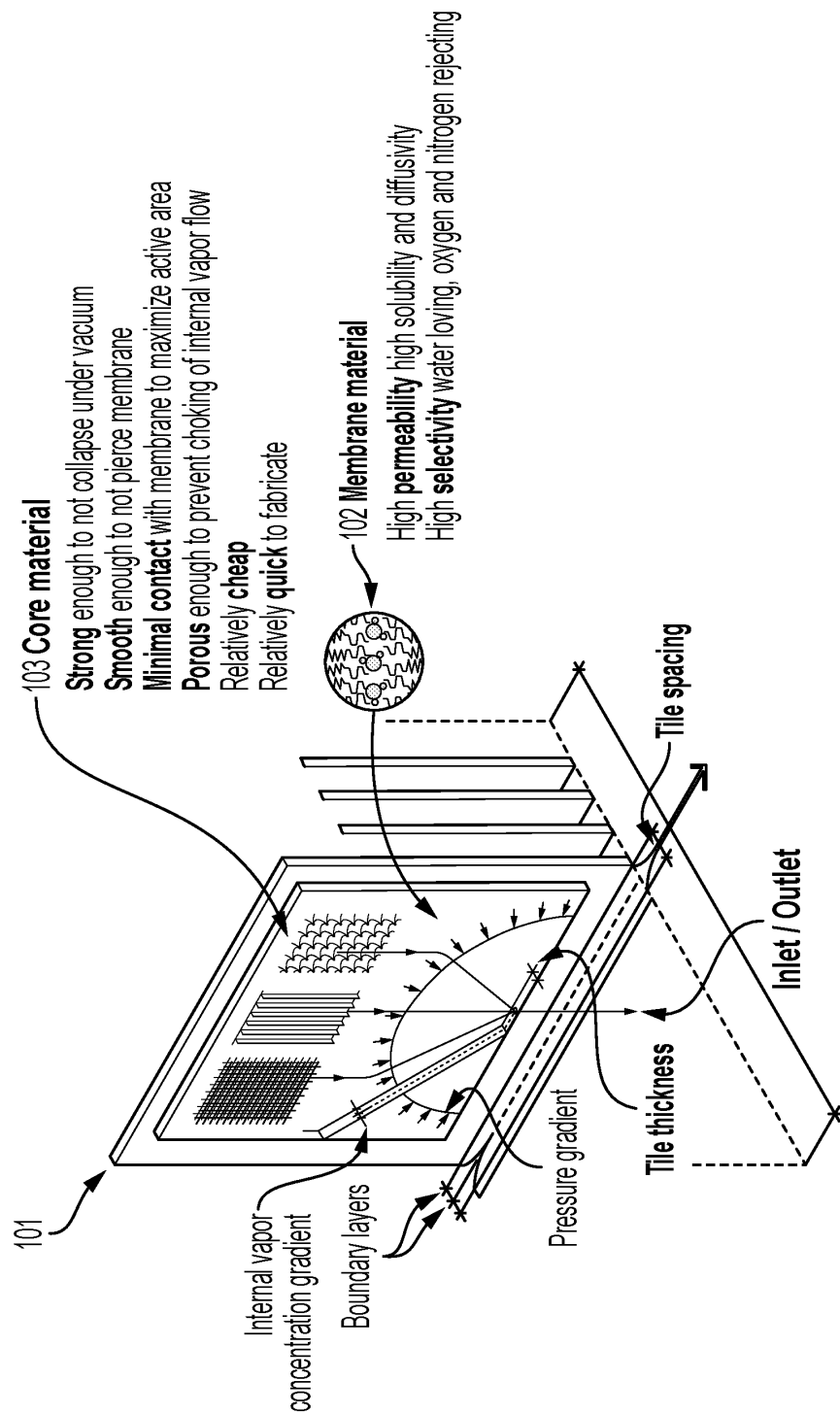


FIG. 1

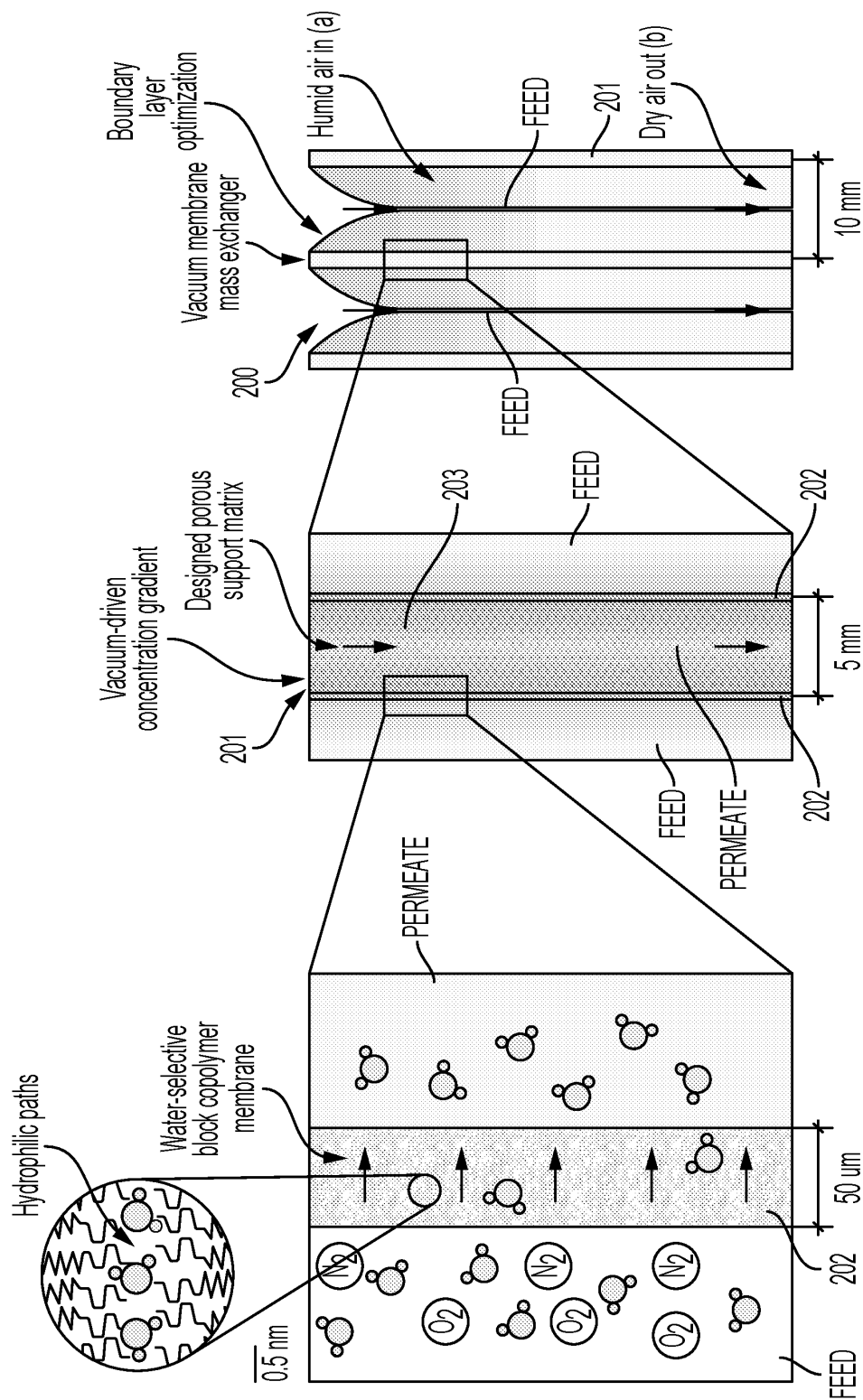


FIG. 2C

FIG. 2B

FIG. 2A

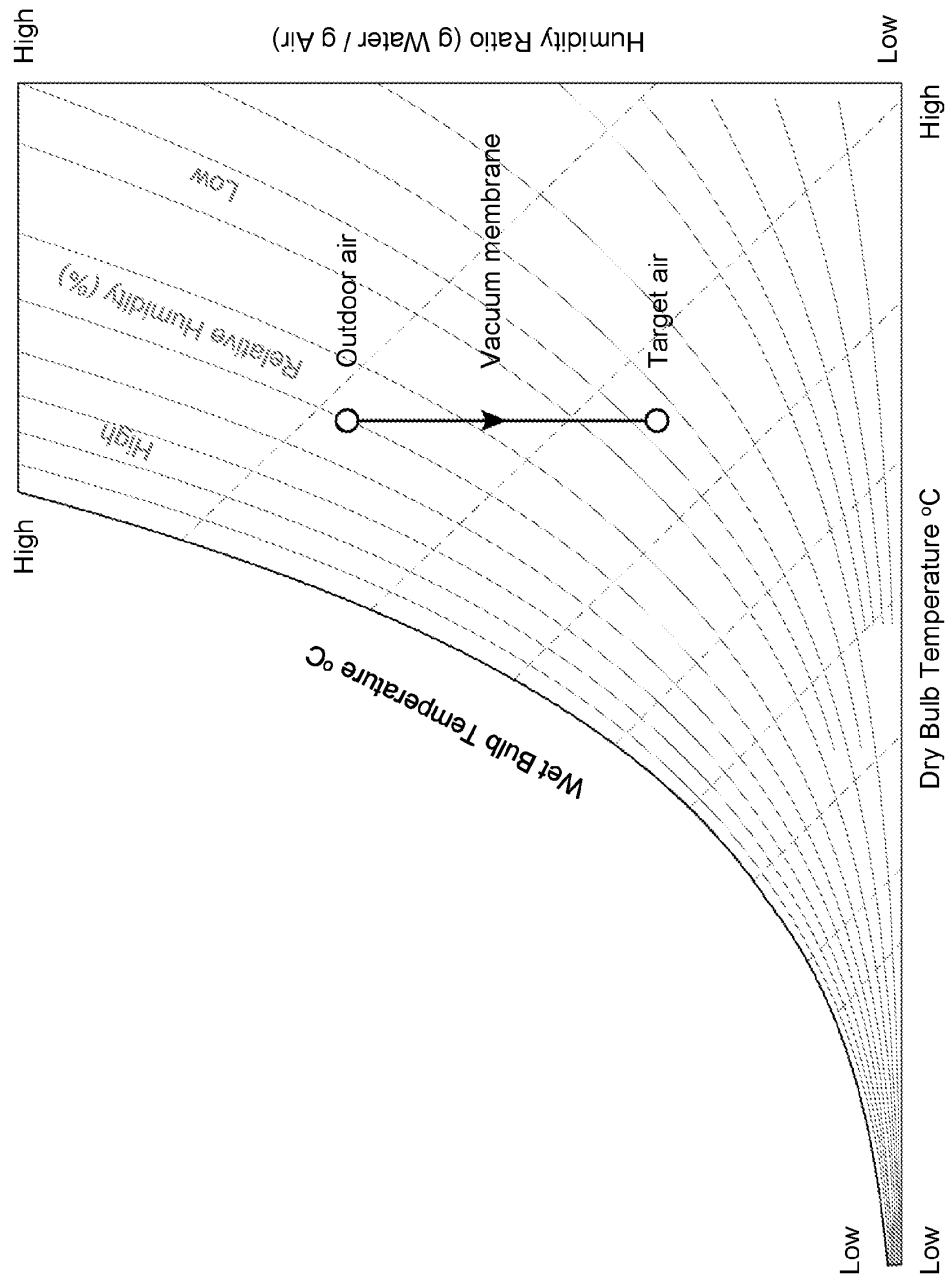


FIG. 2D

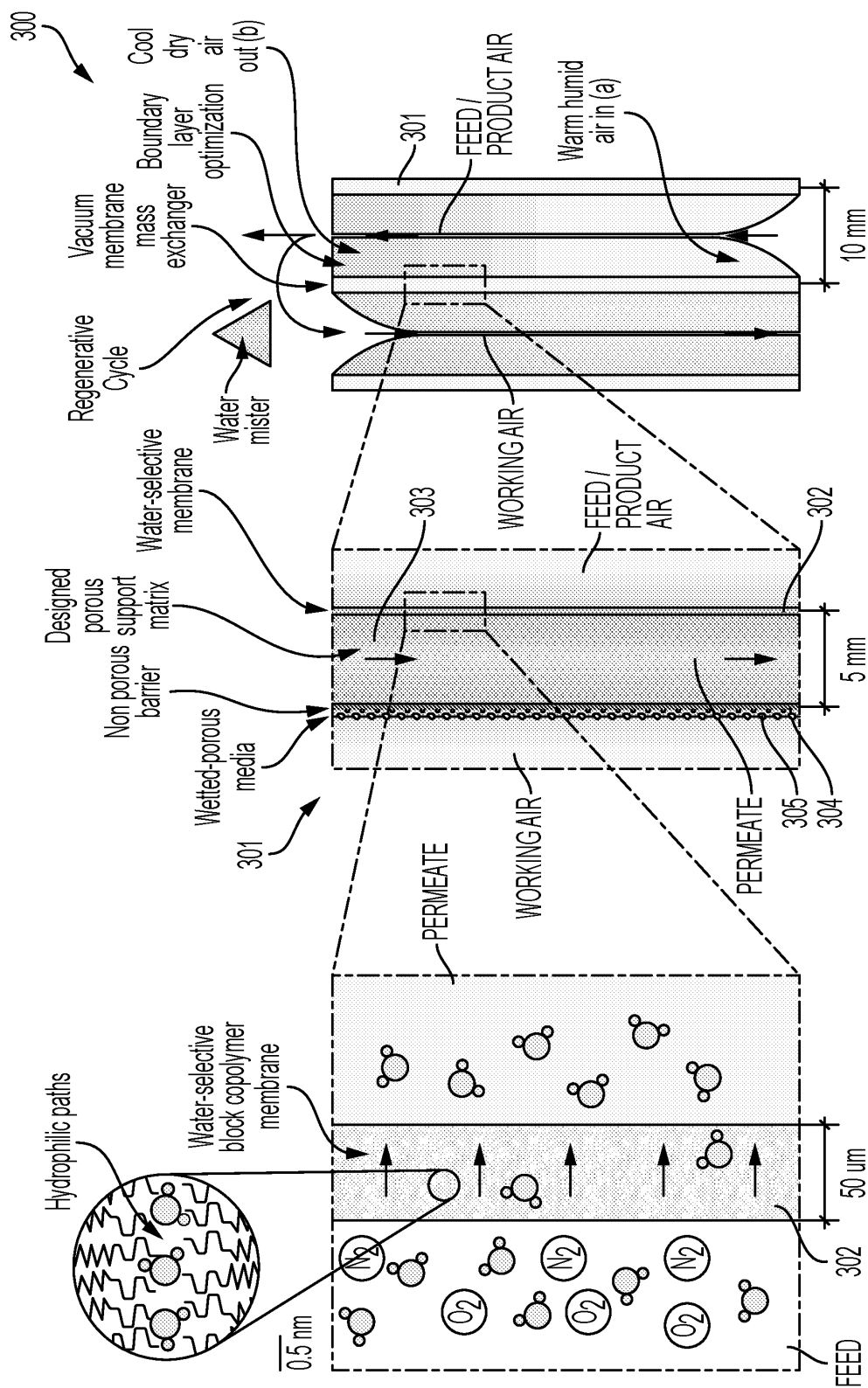


FIG. 3C

FIG. 3B

FIG. 3A

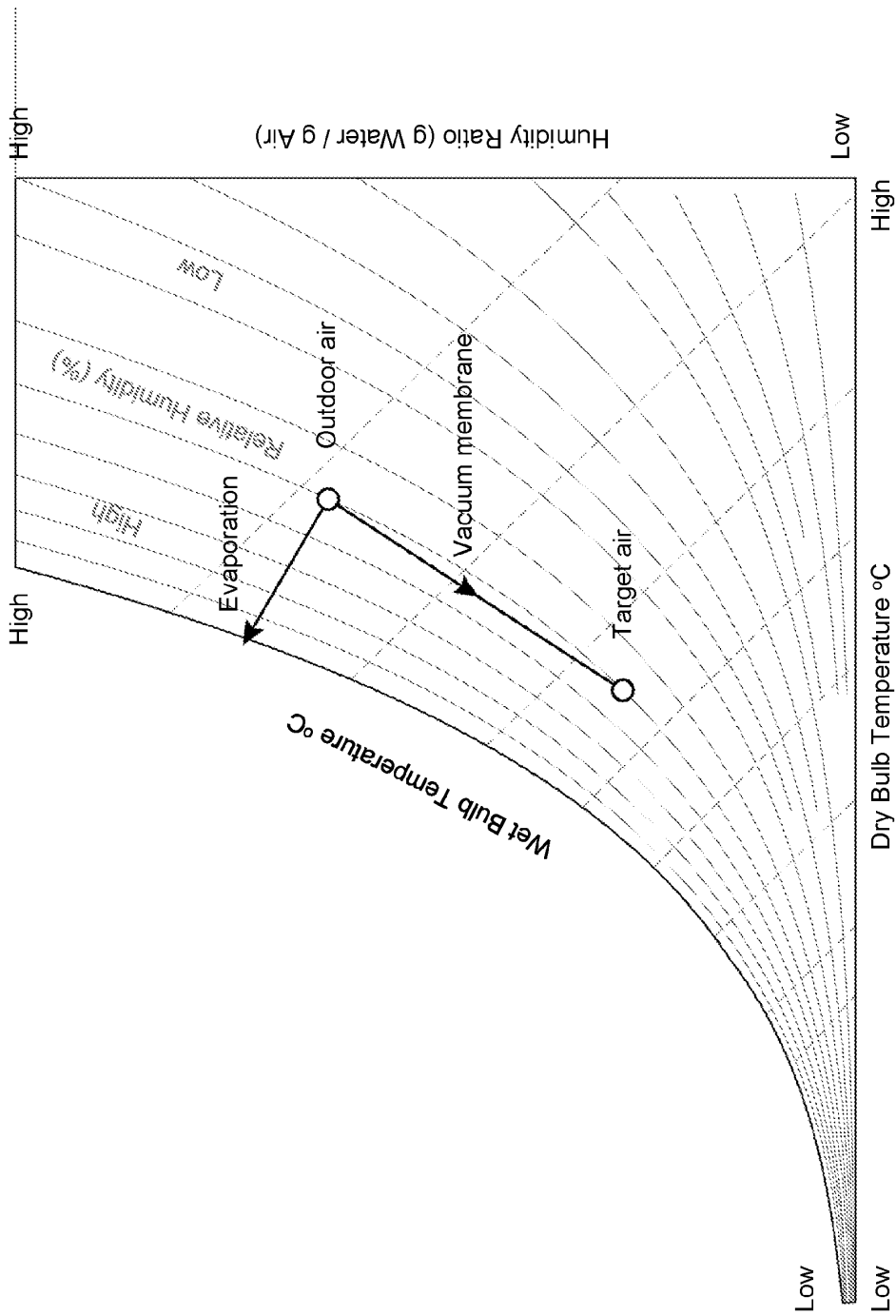


FIG. 3D

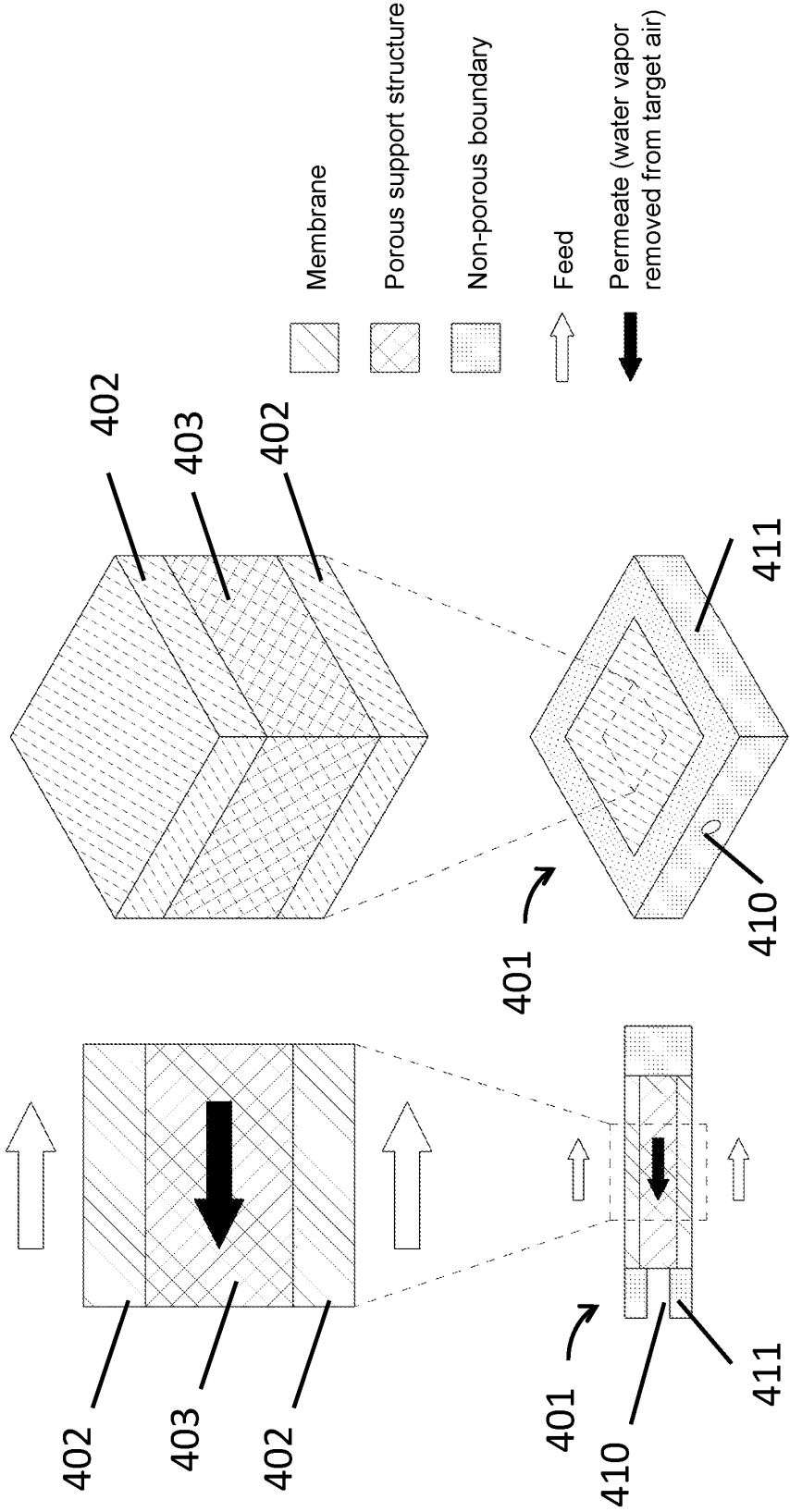


FIG. 4B

FIG. 4A

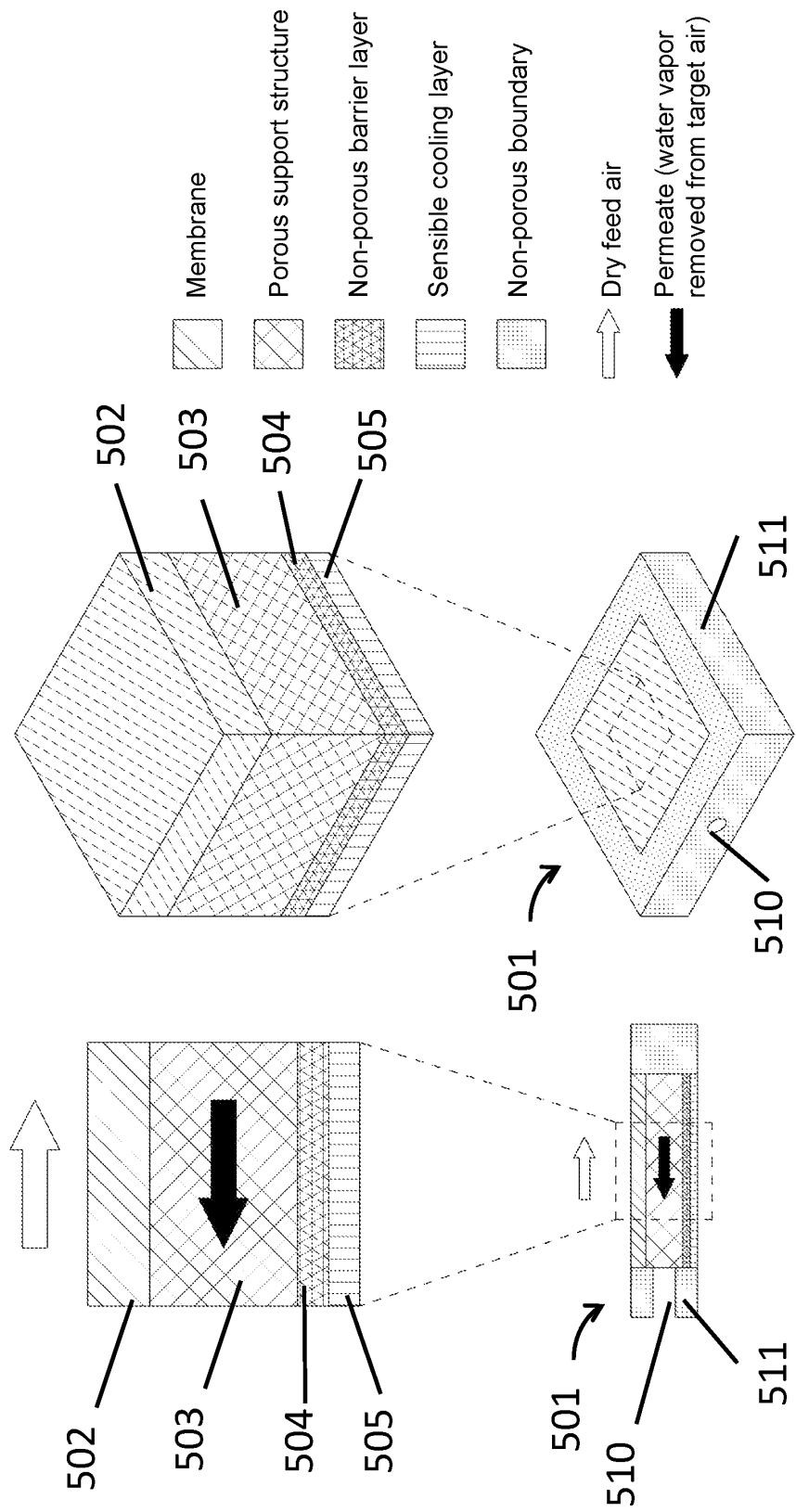


FIG. 5B

FIG. 5A

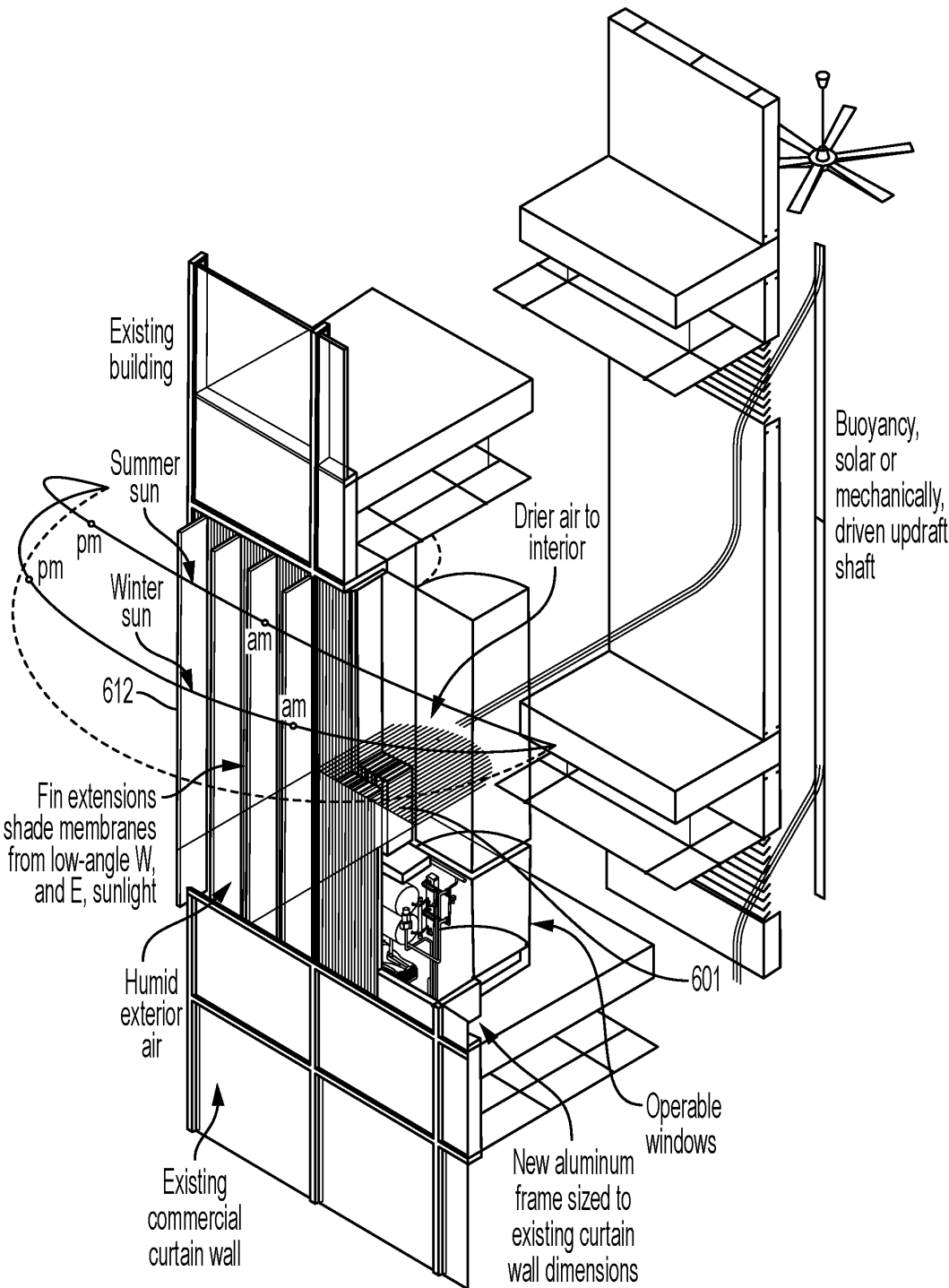


FIG. 6A

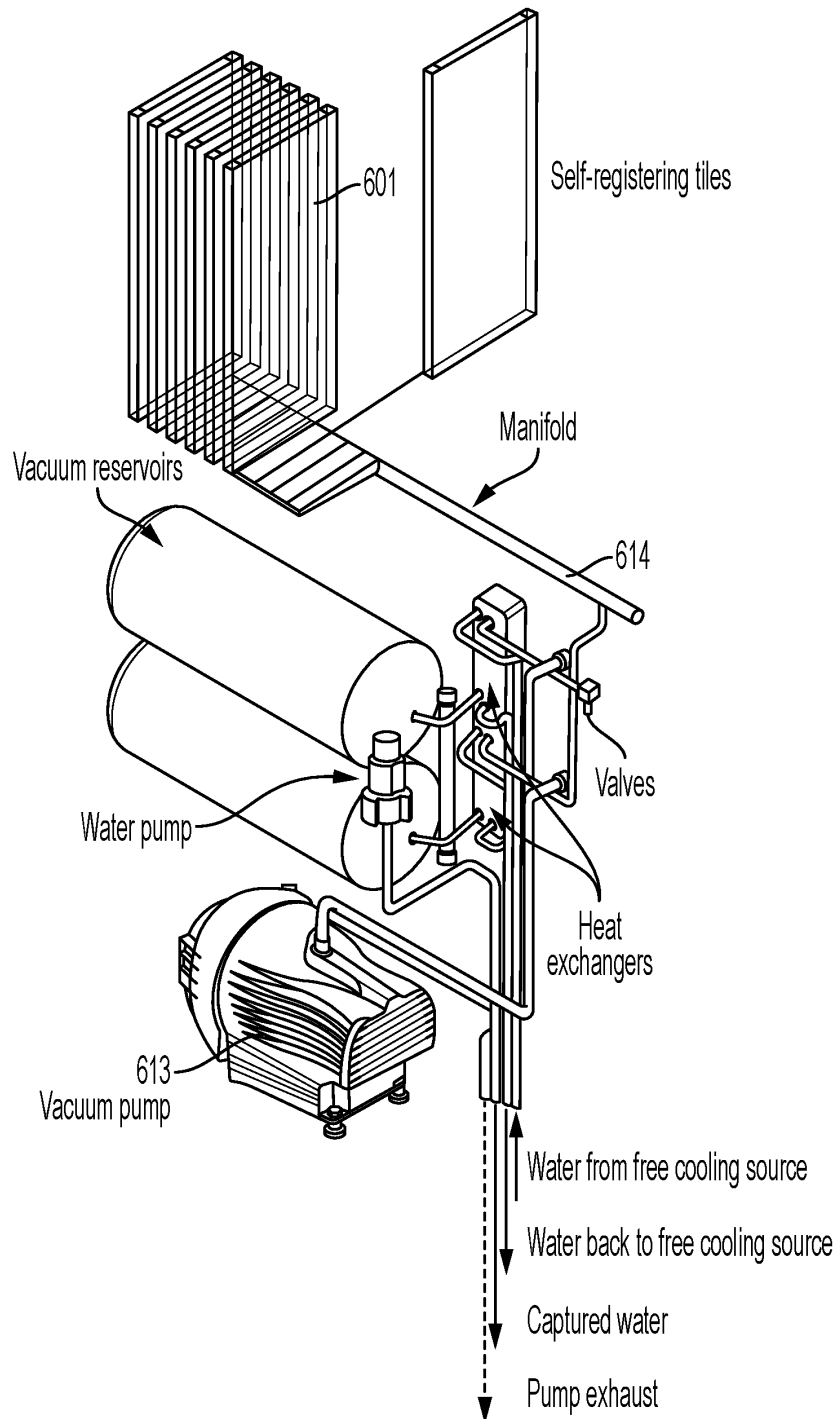


FIG. 6B

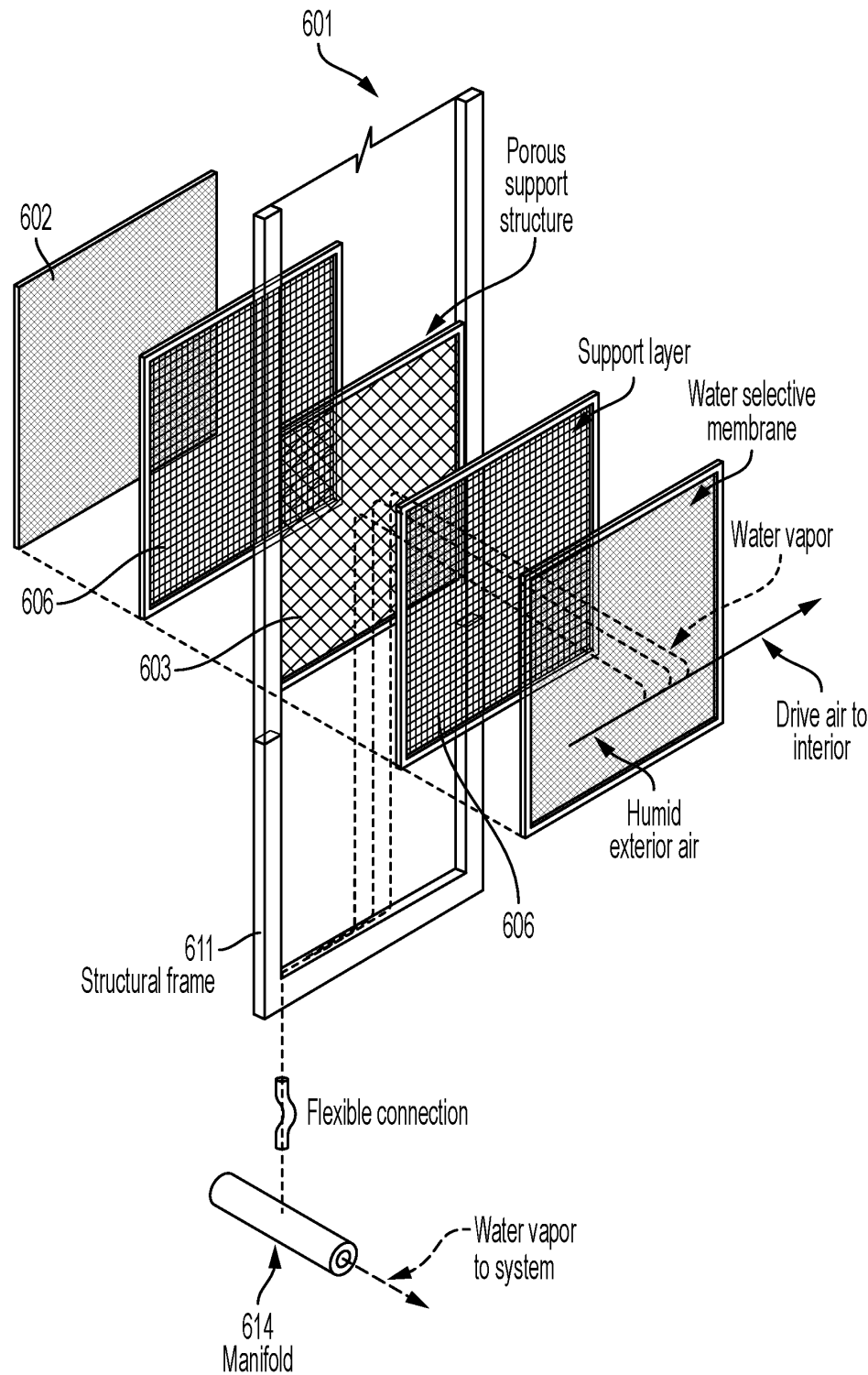


FIG. 6C

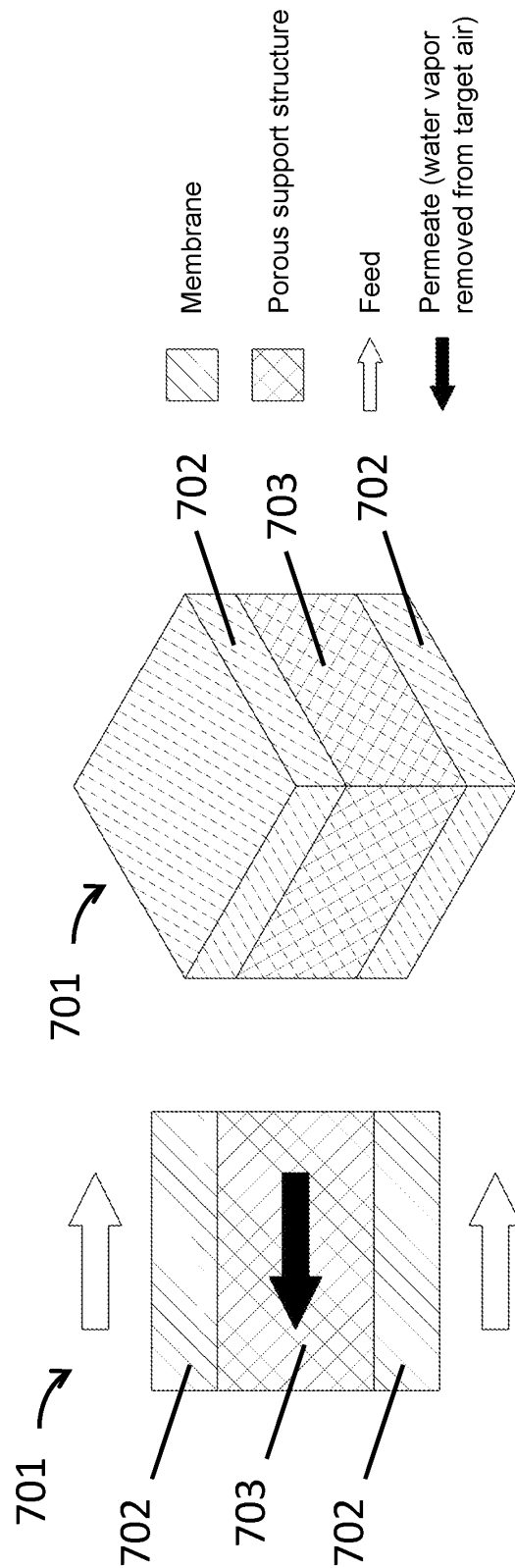
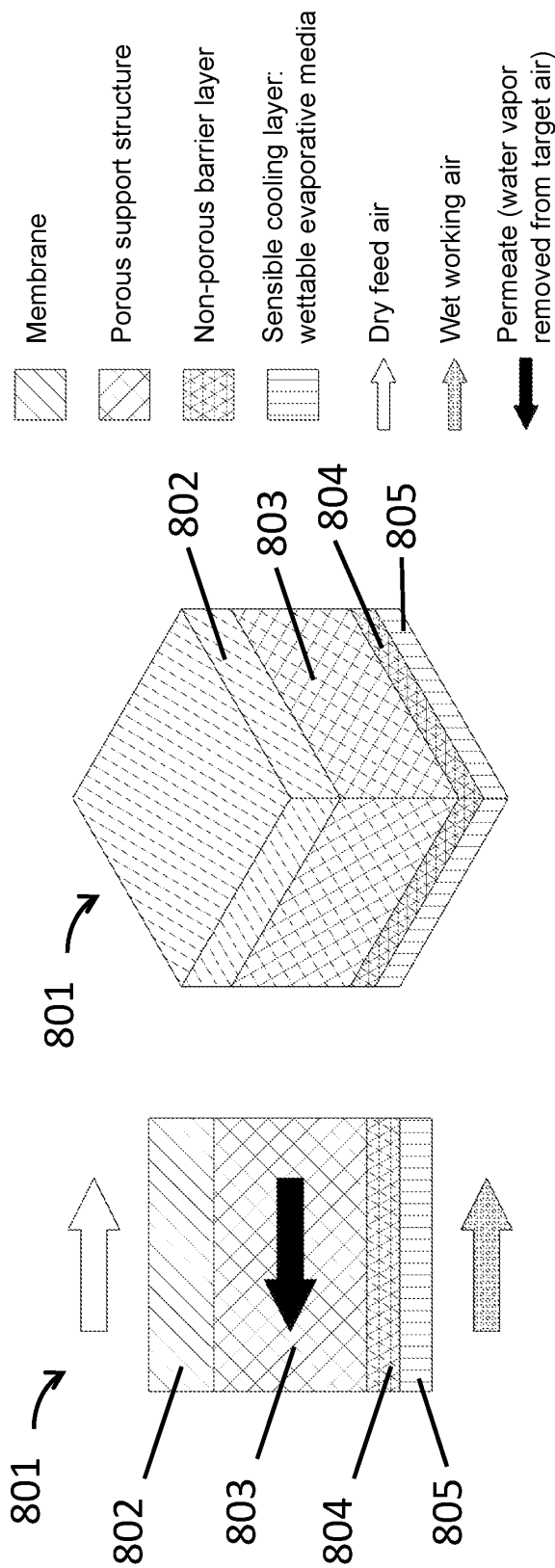


FIG. 7B

FIG. 7A



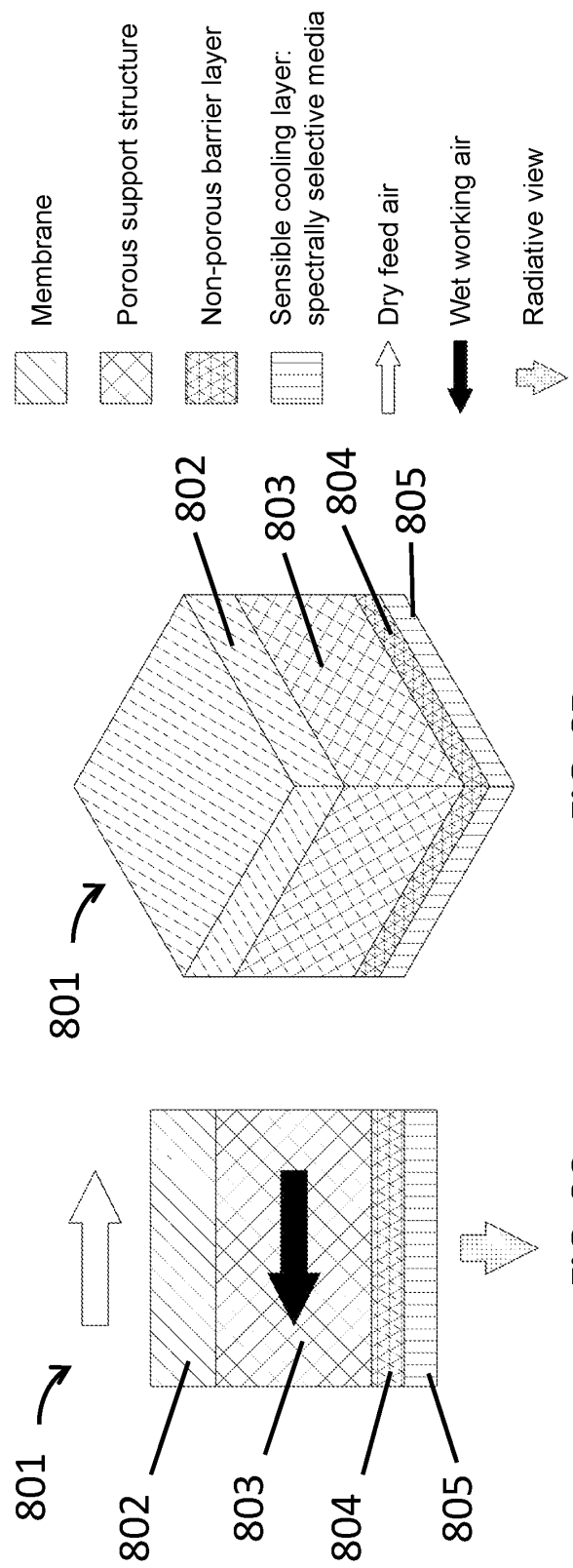


FIG. 8D

FIG. 8C

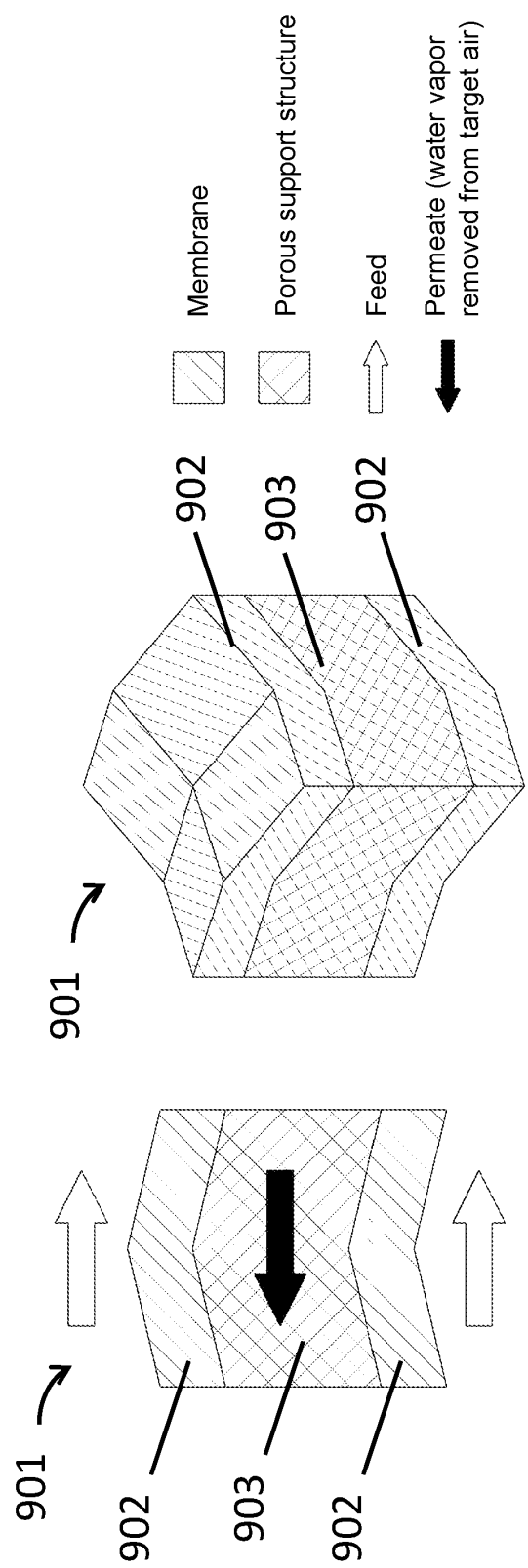
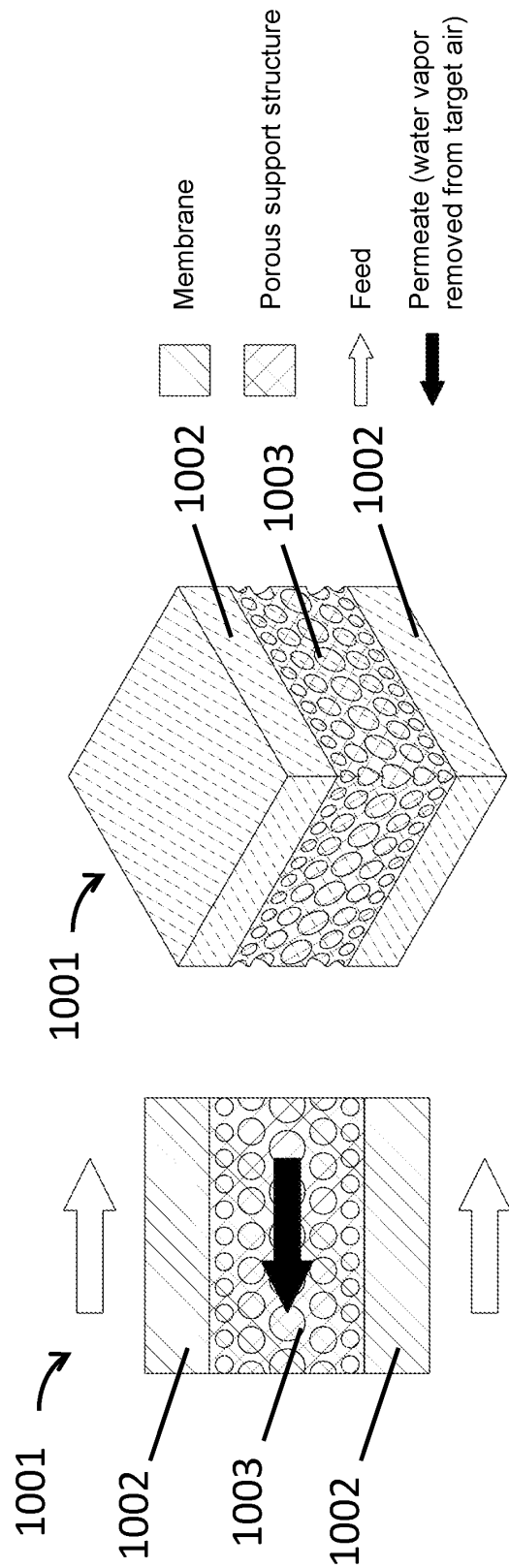


FIG. 9B

FIG. 9A



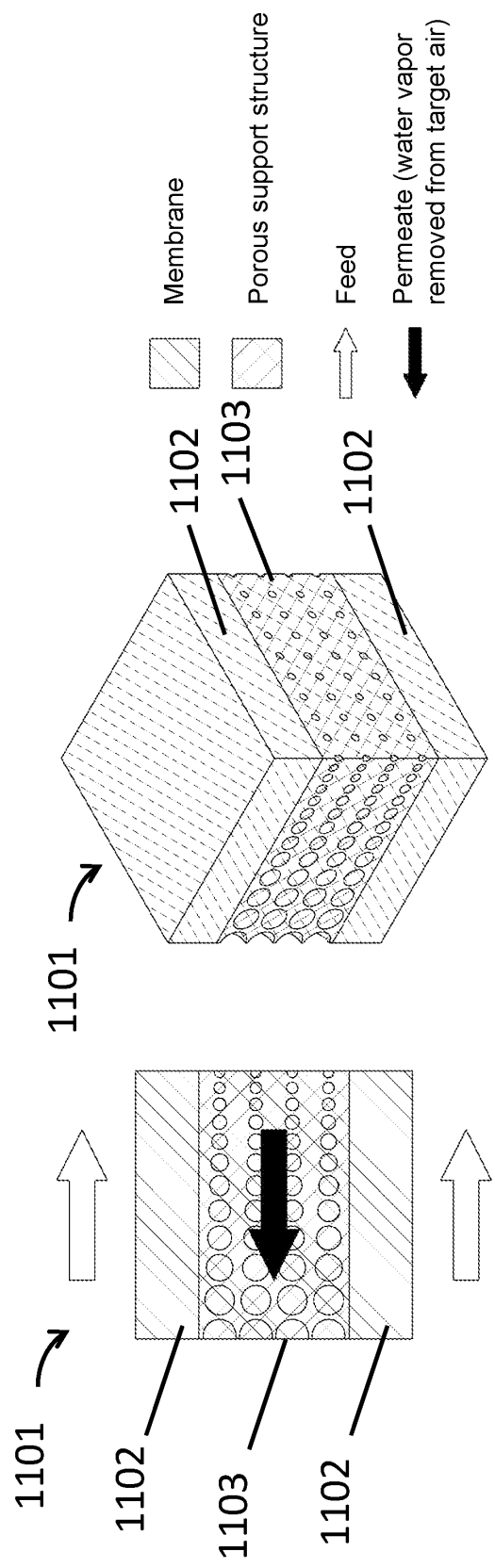


FIG. 11B

FIG. 11A

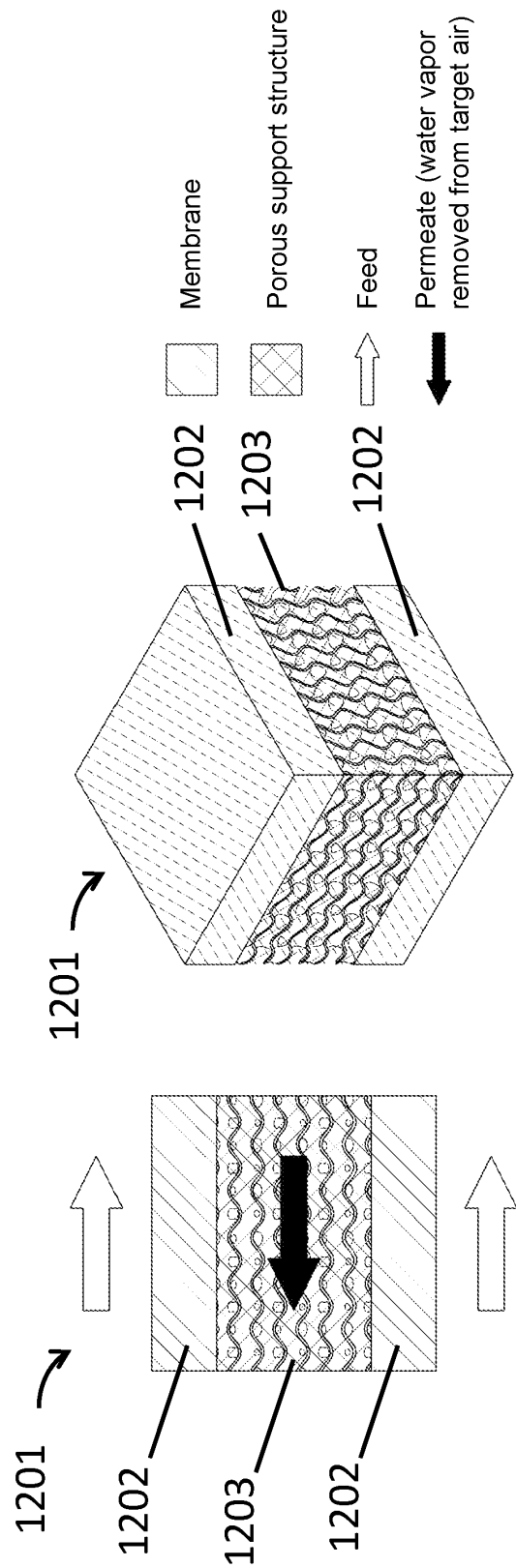


FIG. 12B

FIG. 12A

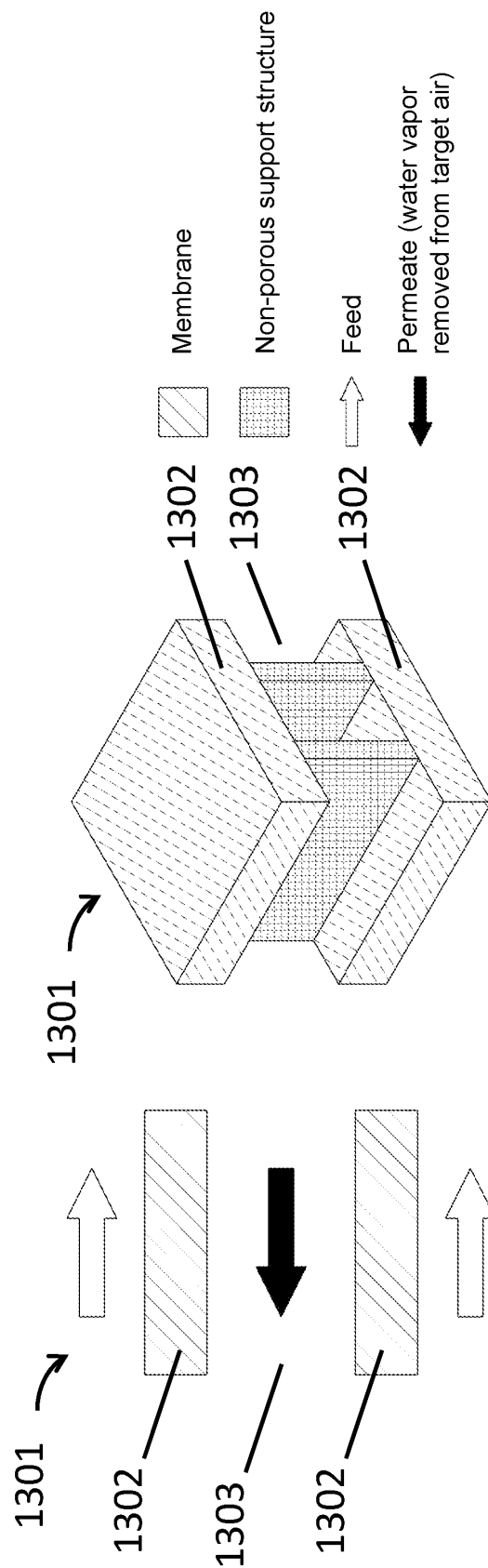


FIG. 13B

FIG. 13A

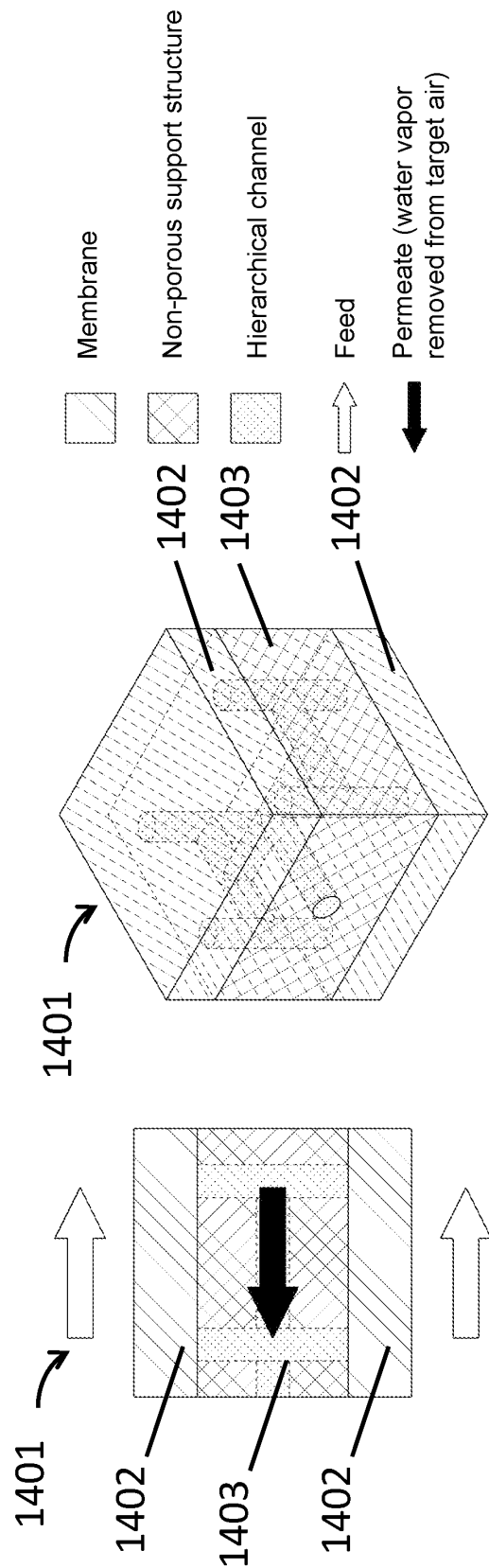


FIG. 14B

FIG. 14A

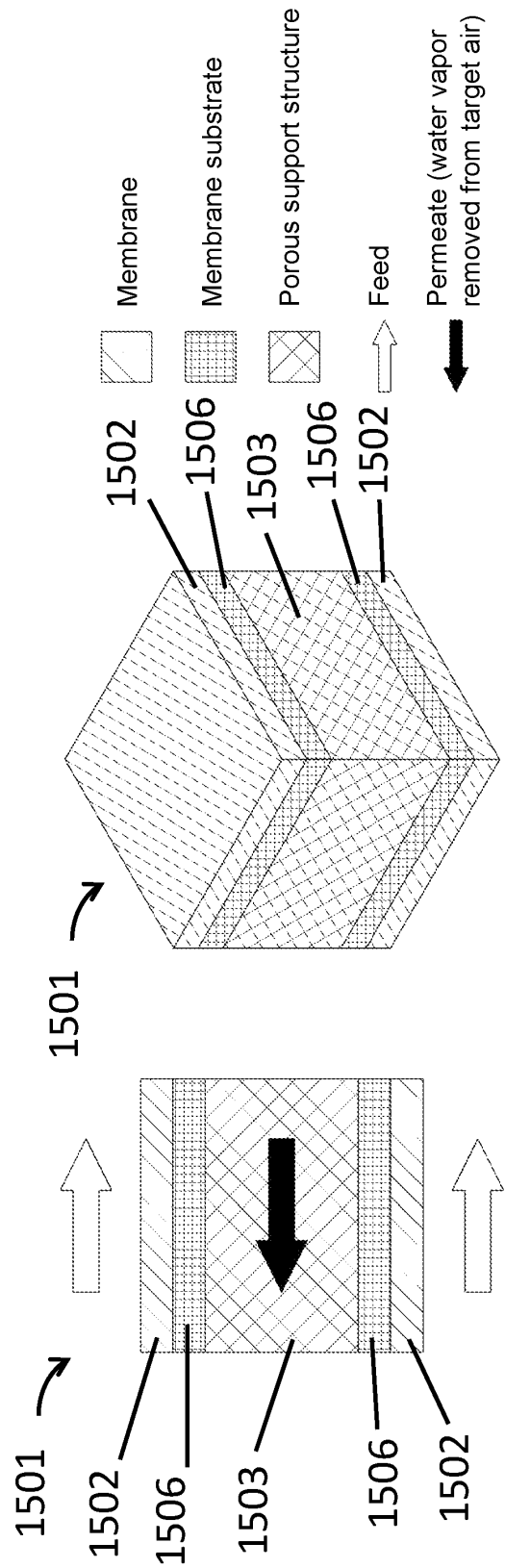


FIG. 15B

FIG. 15A

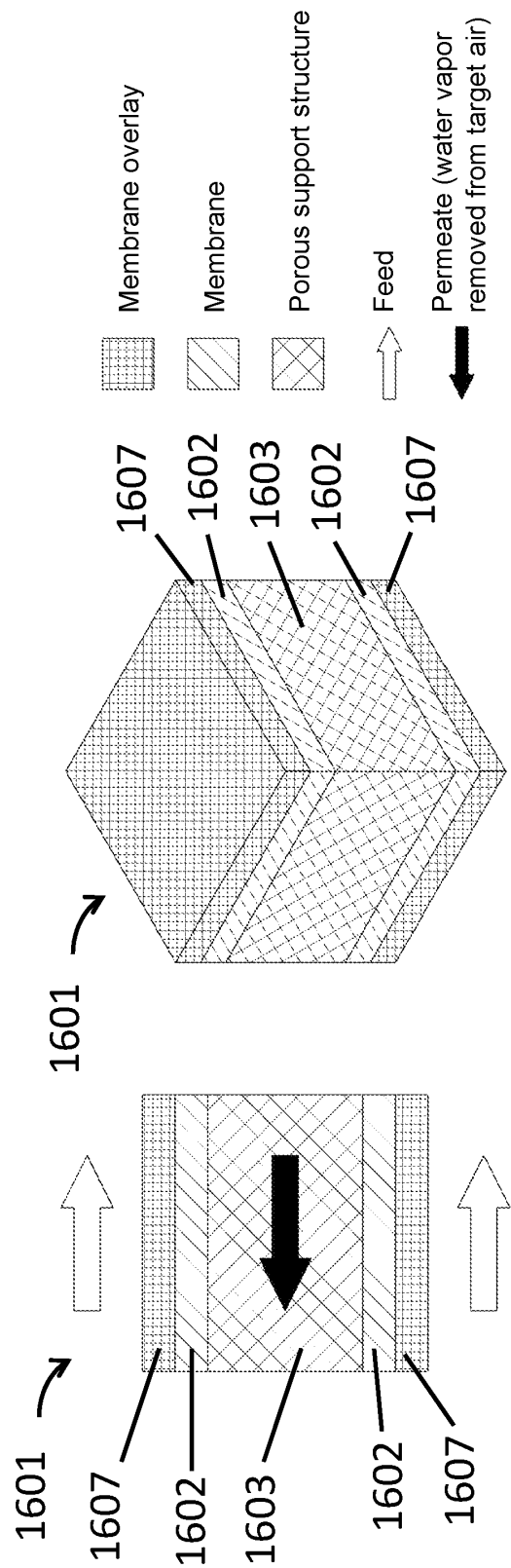


FIG. 16B

FIG. 16A

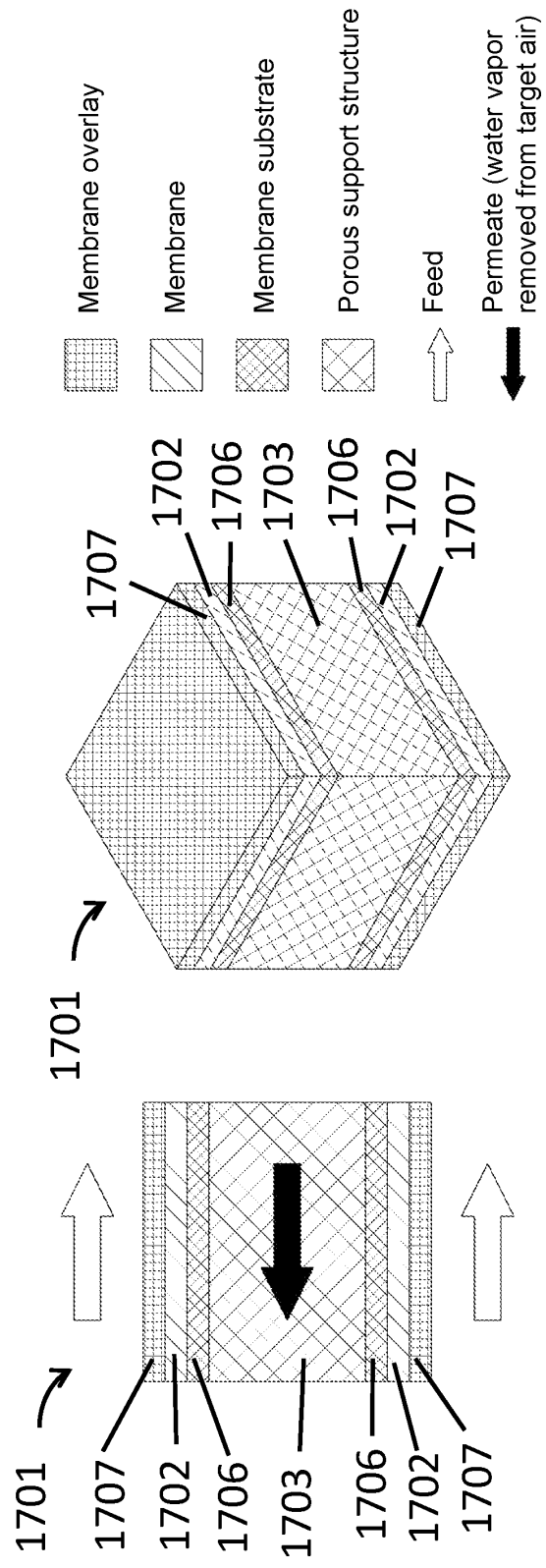


FIG. 17B

FIG. 17A

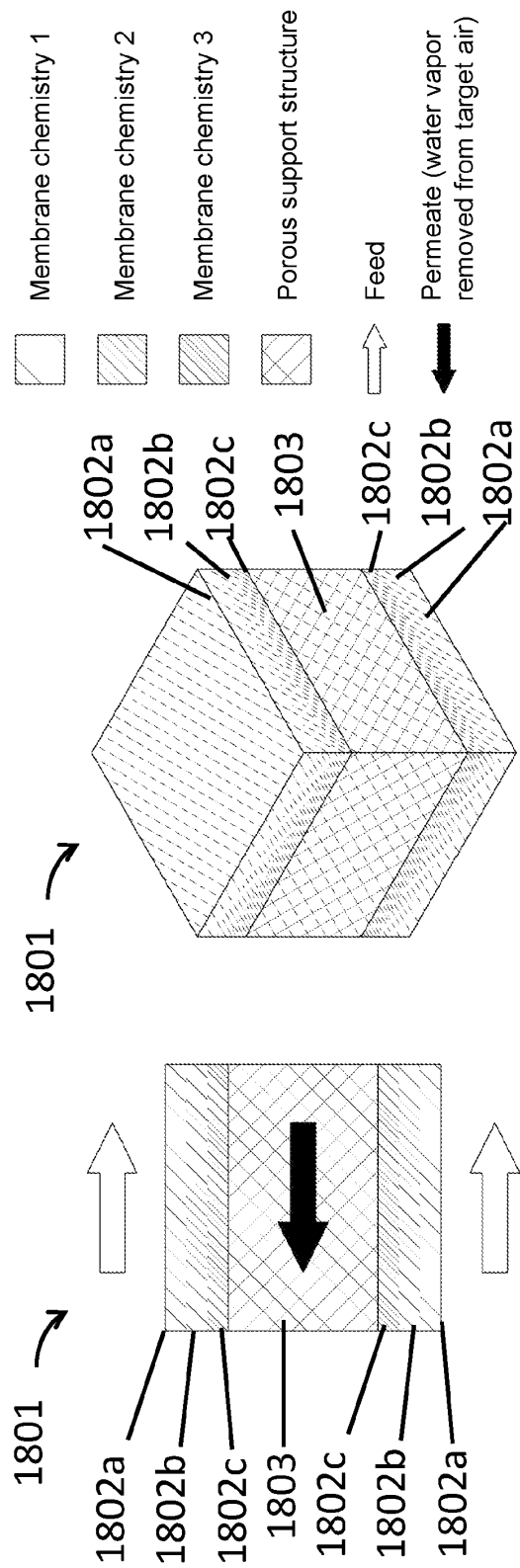


FIG. 18B

FIG. 18A

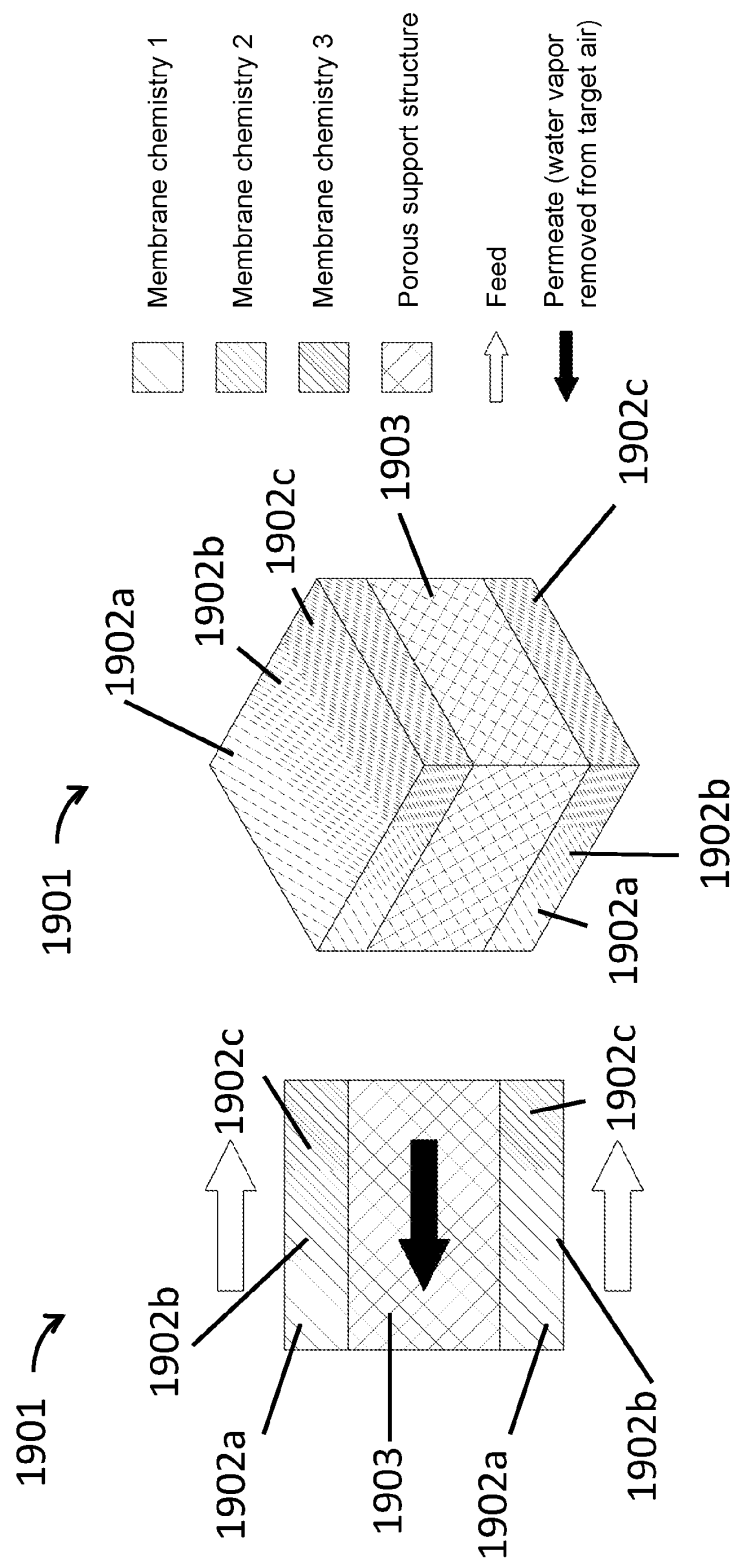


FIG. 19A

FIG. 19B

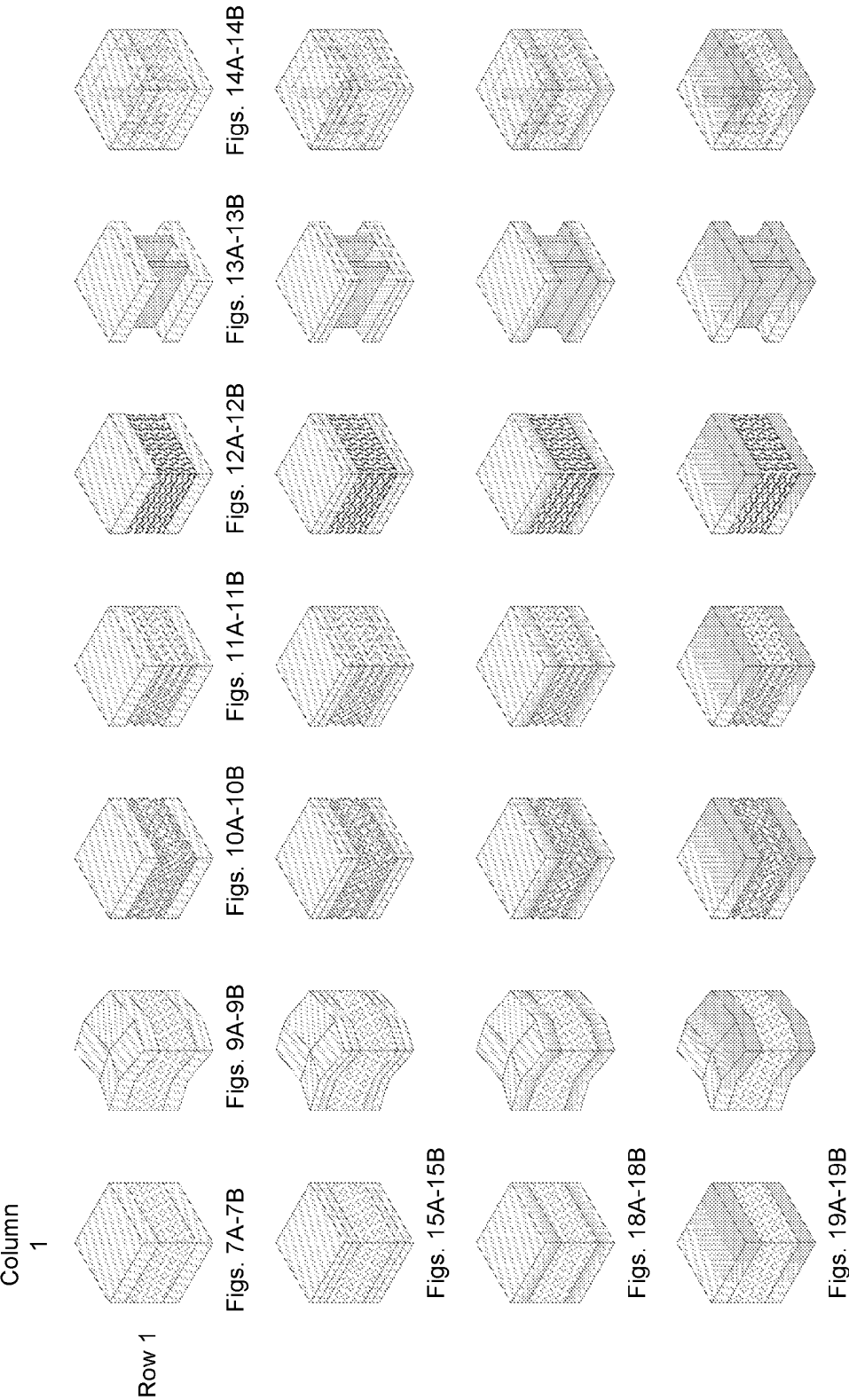


FIG. 20

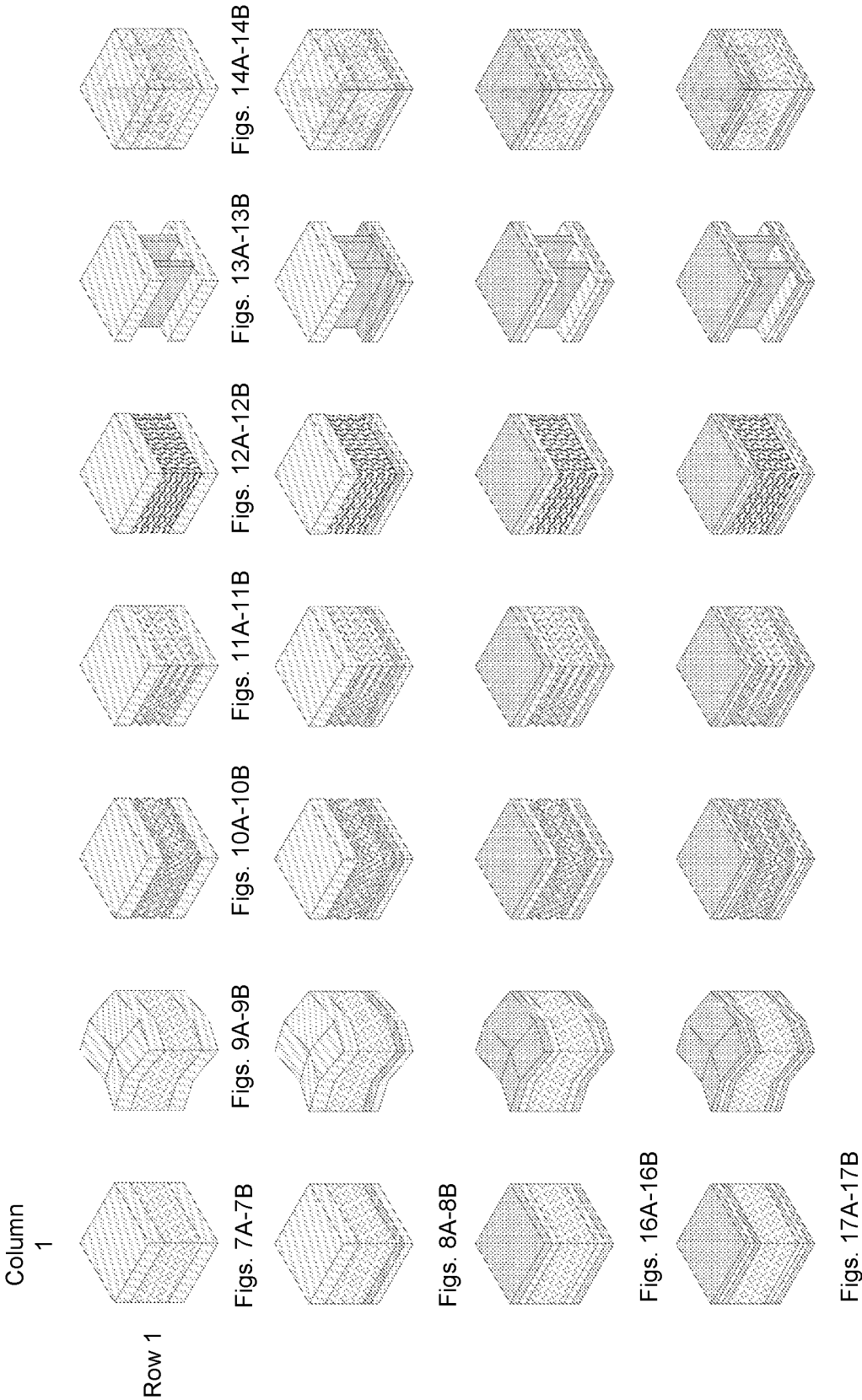


FIG. 21

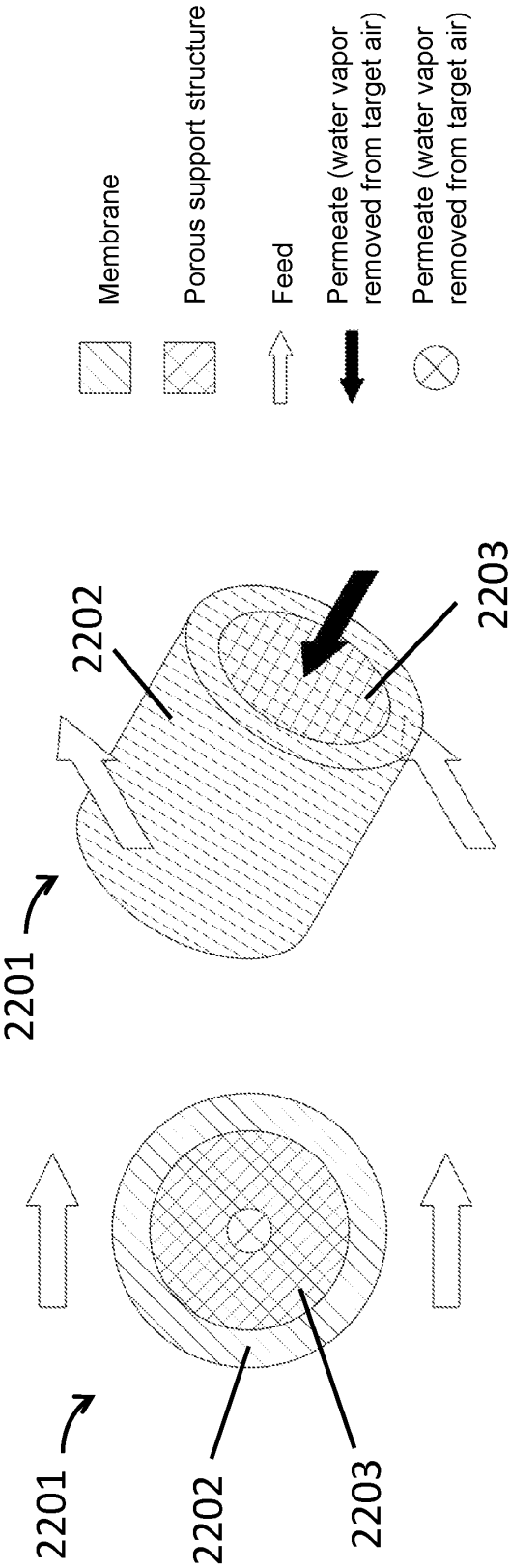


FIG. 22B

FIG. 22A

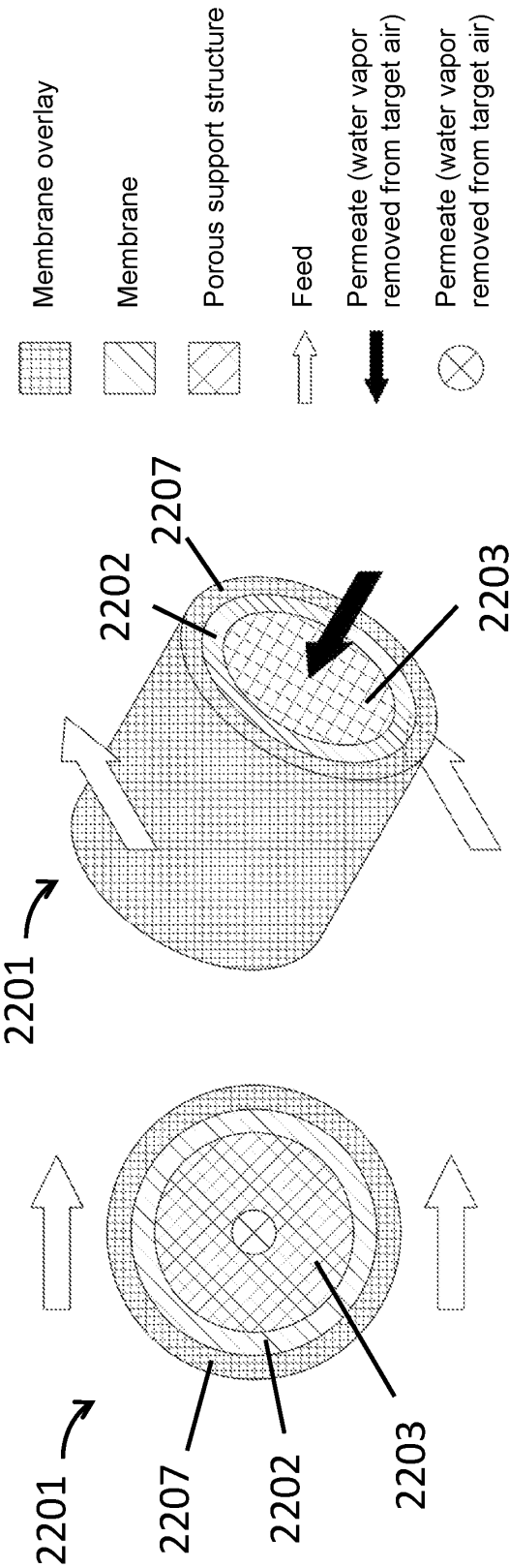


FIG. 22D

FIG. 22C

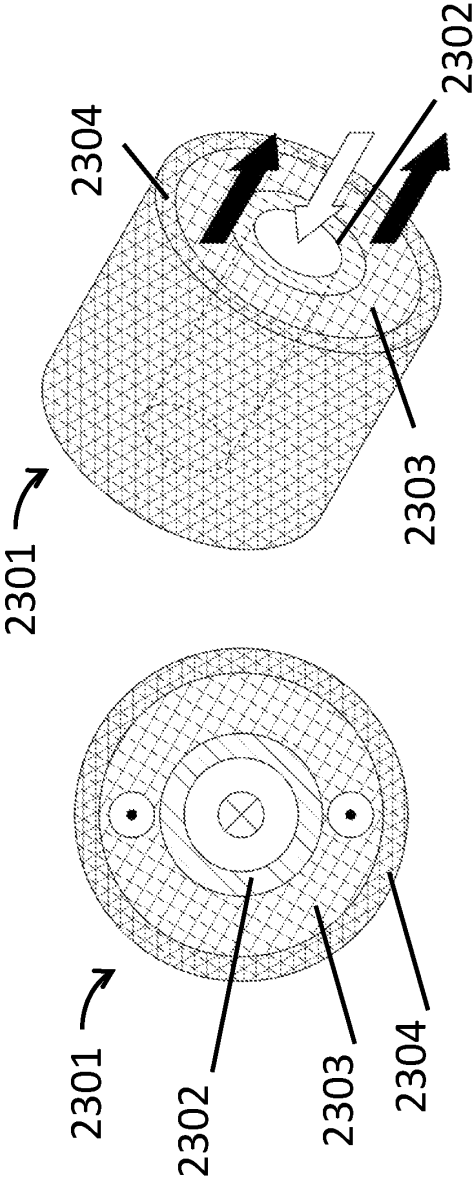
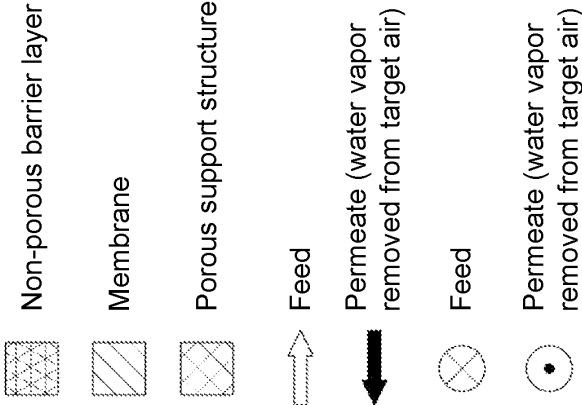


FIG. 23B

FIG. 23A

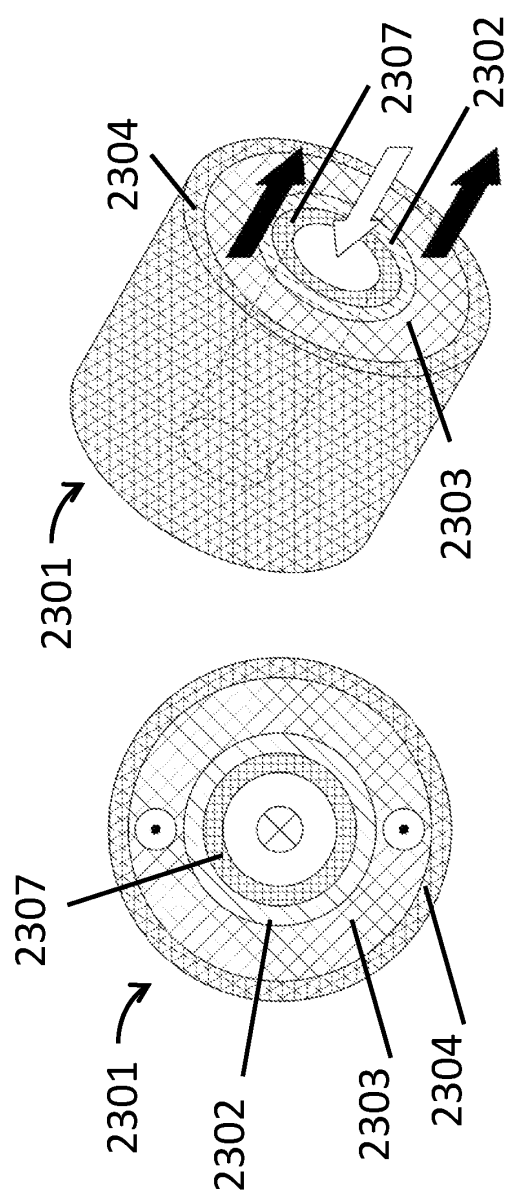
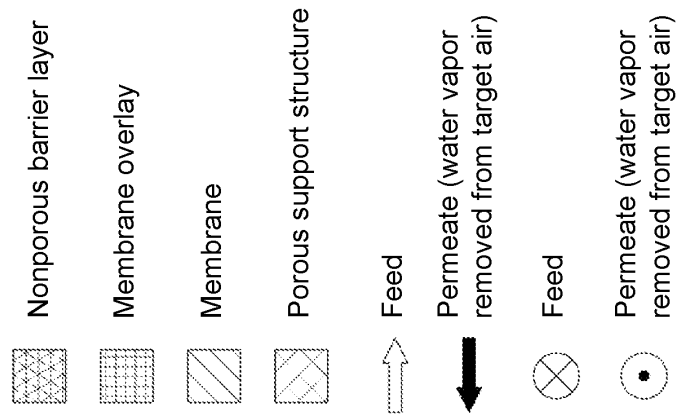


FIG. 23D

FIG. 23C

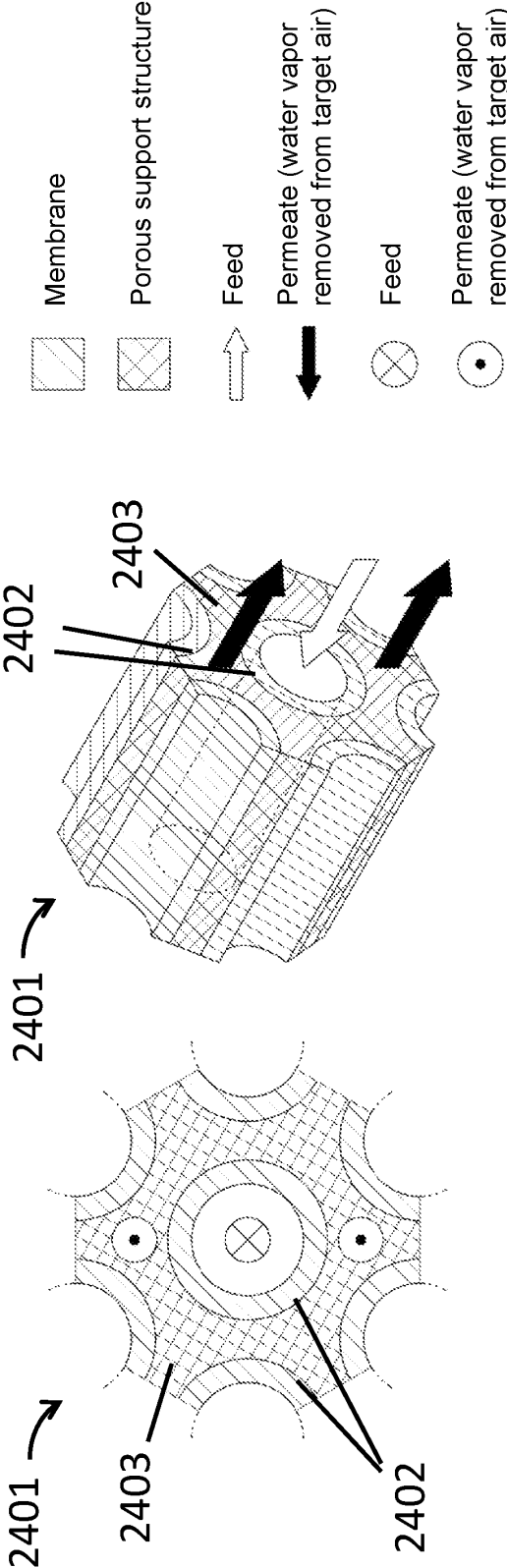


FIG. 24B

FIG. 24A

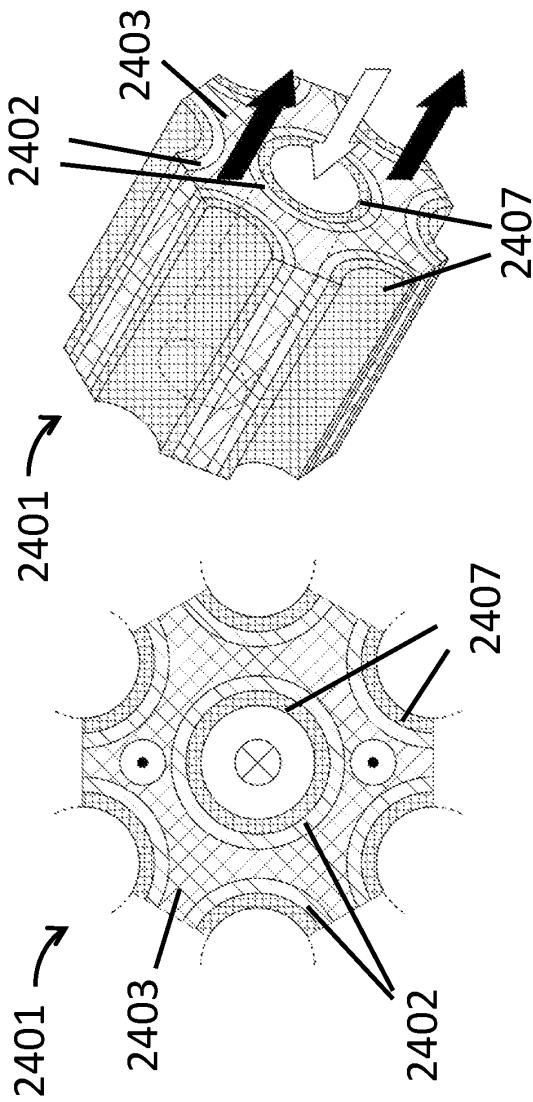
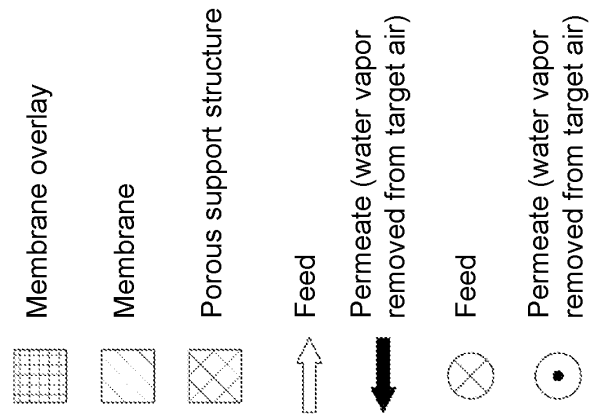


FIG. 24D

FIG. 24C

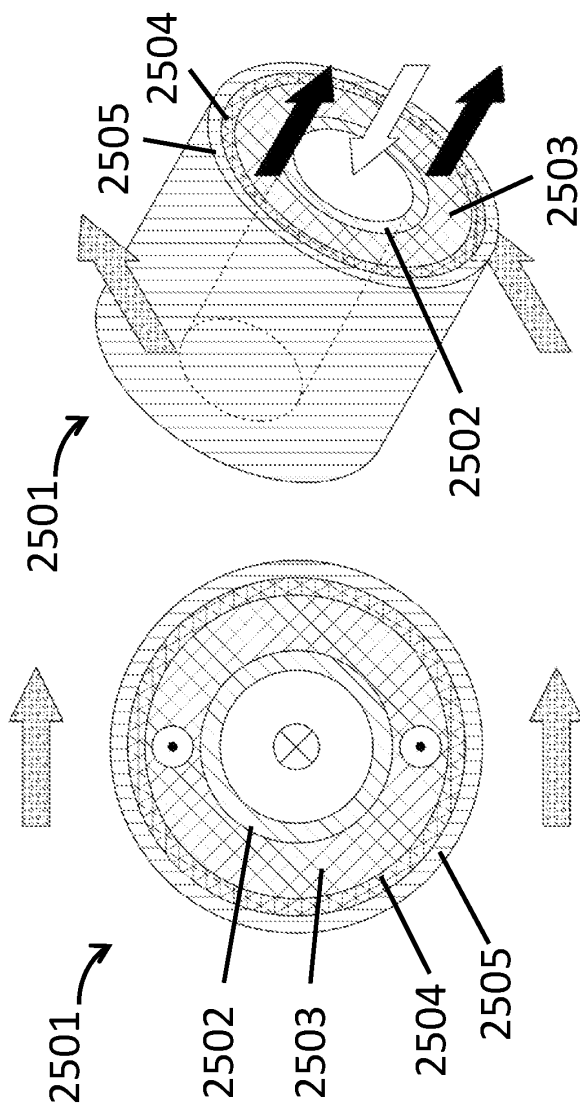
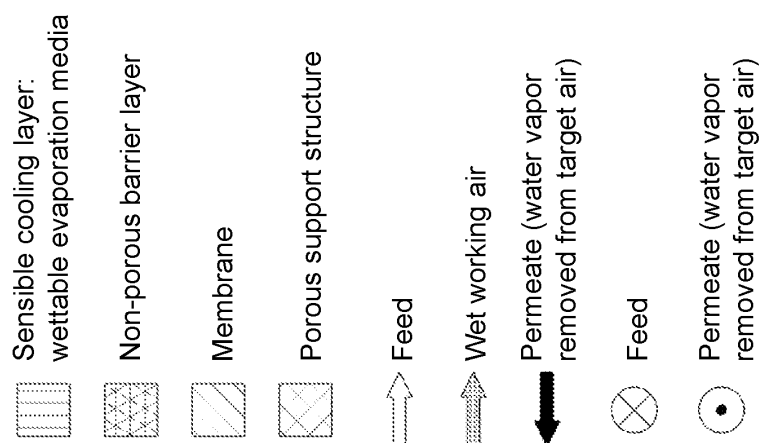


FIG. 25B

FIG. 25A

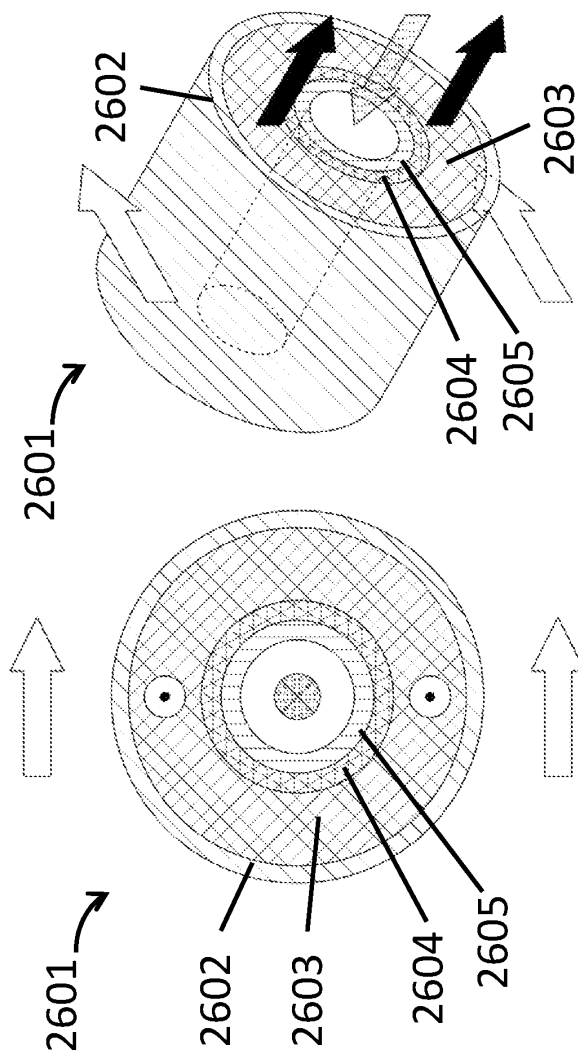
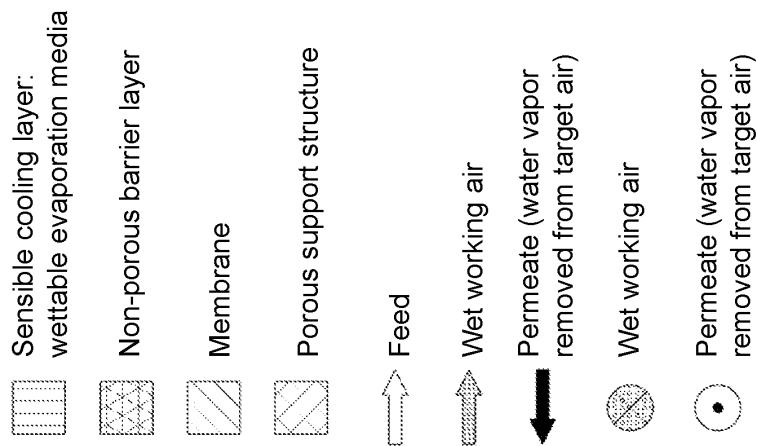


FIG. 26B

FIG. 26A

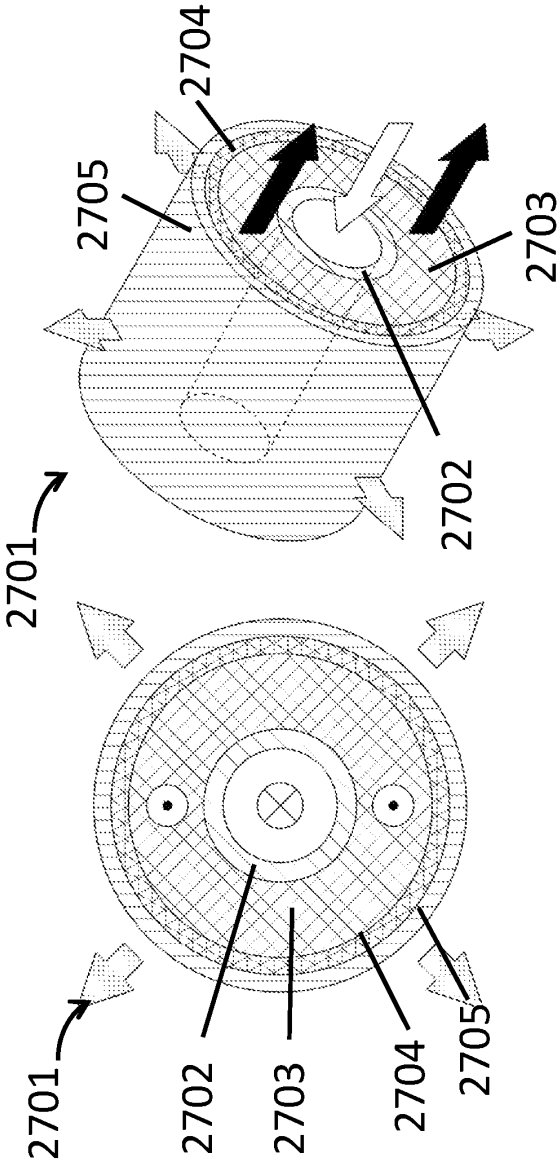
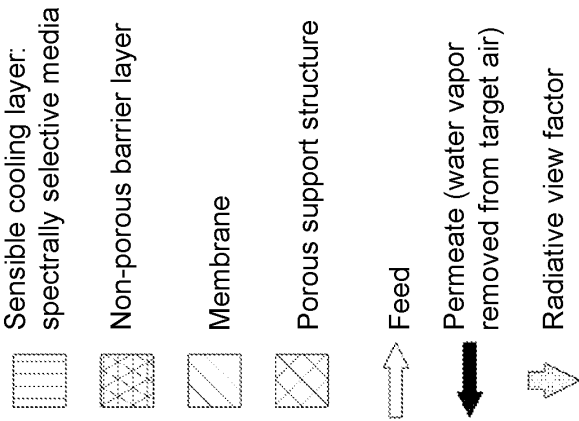


FIG. 27B

FIG. 27A

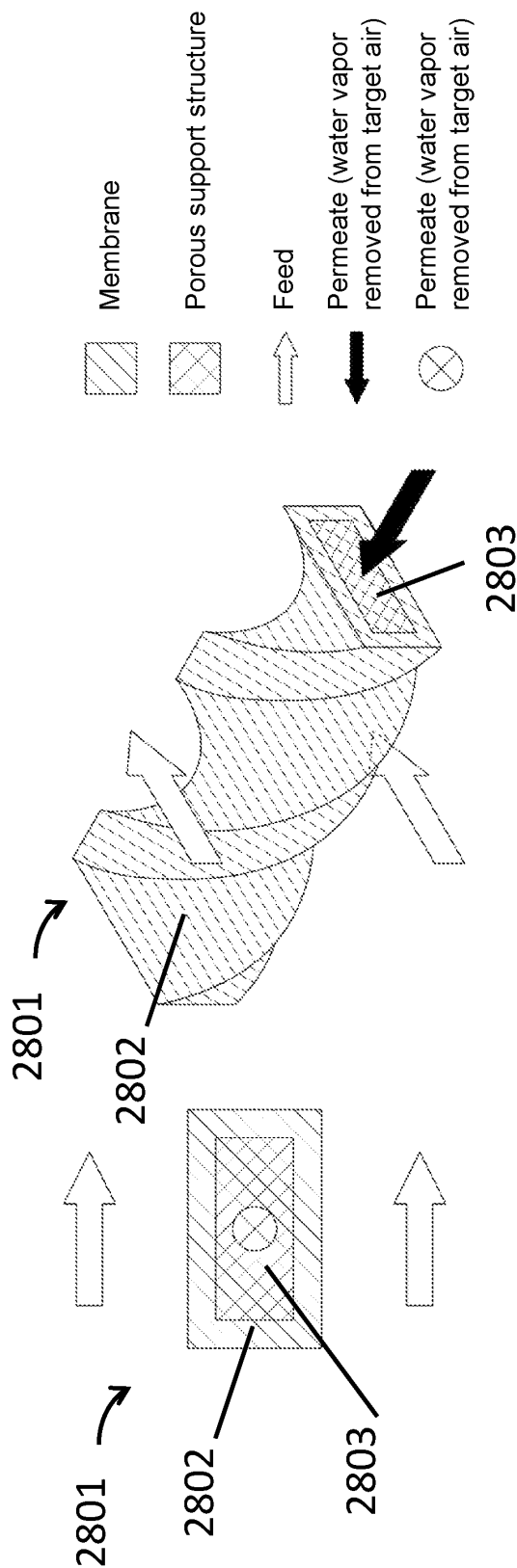


FIG. 28A

FIG. 28B

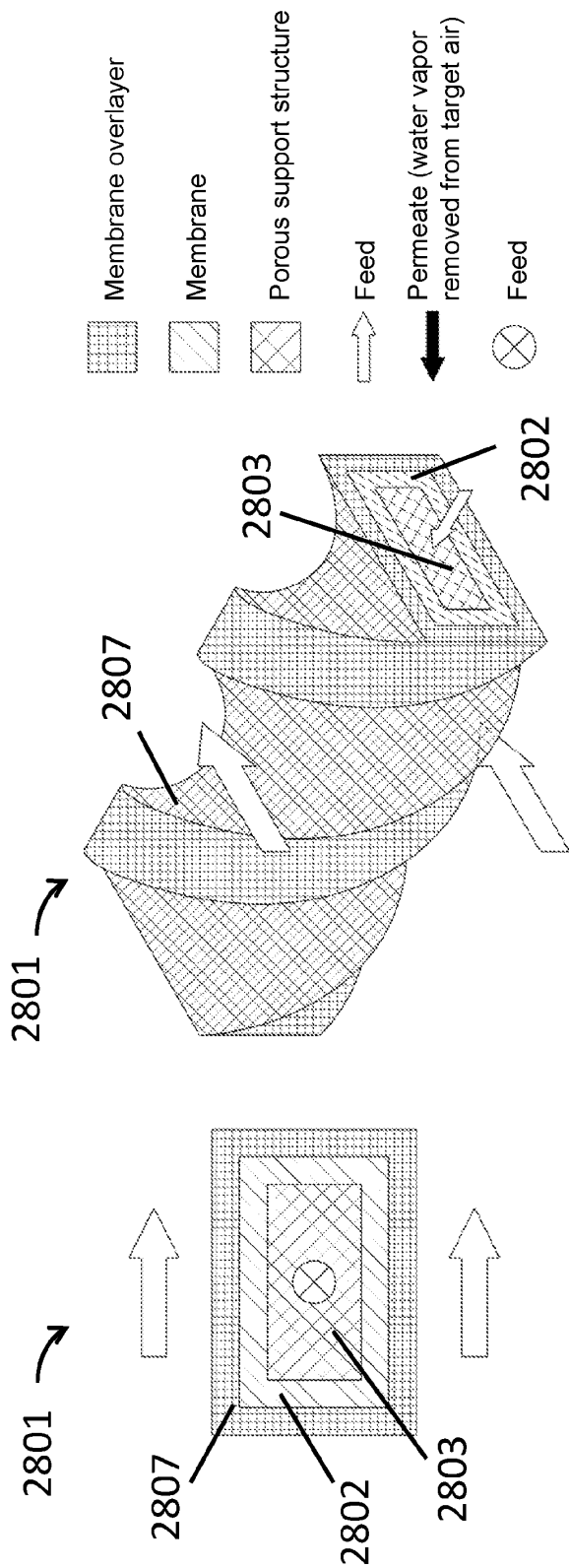


FIG. 28D

FIG. 28C

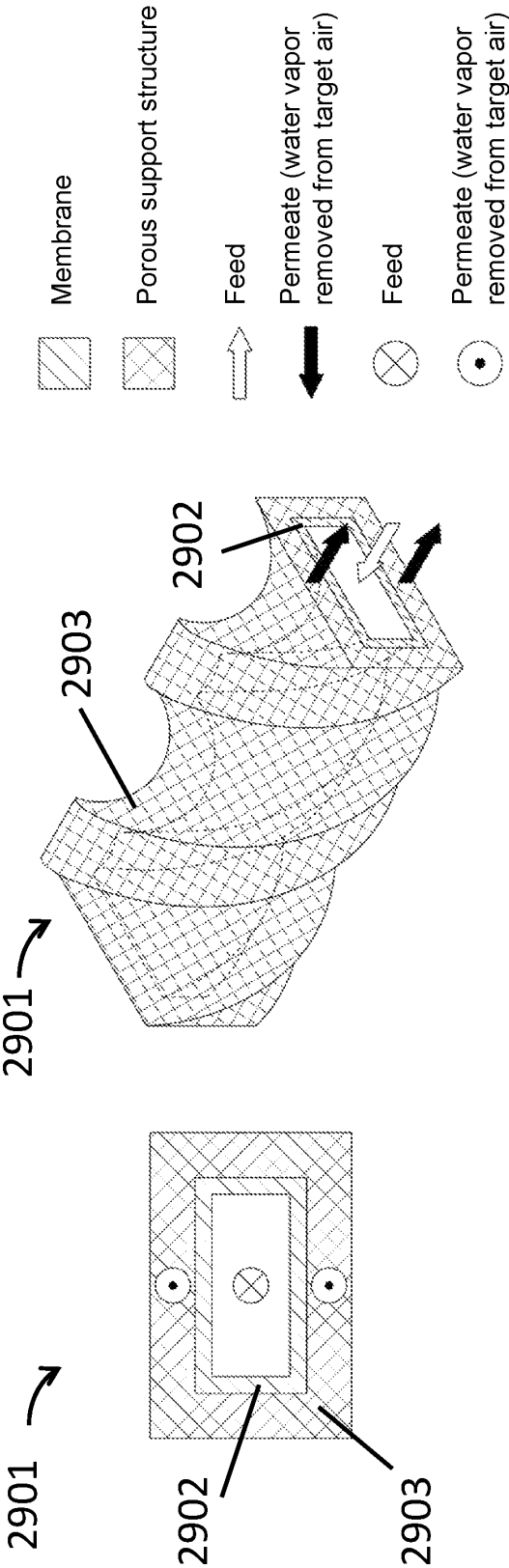


FIG. 29B

FIG. 29A

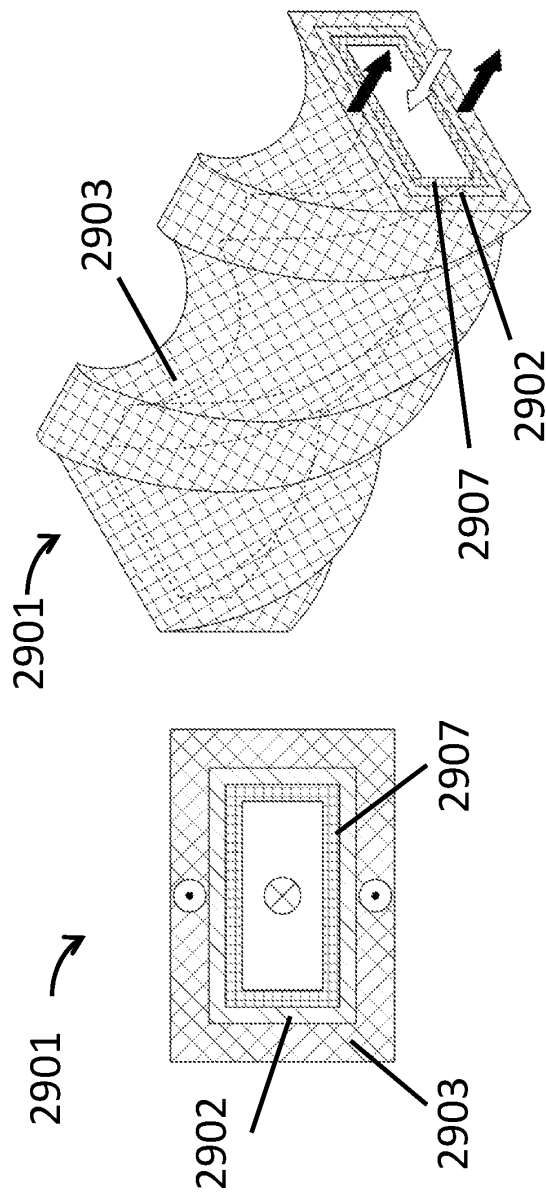
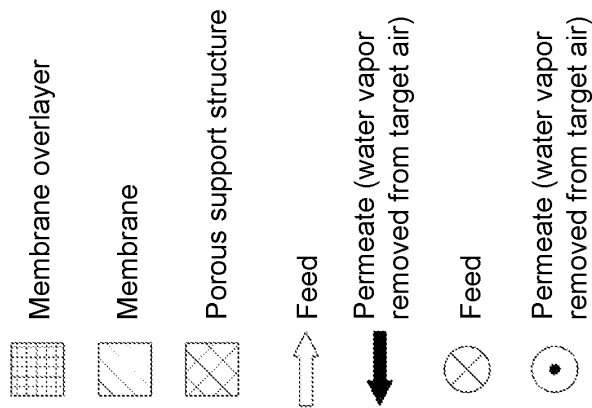


FIG. 29D

FIG. 29C

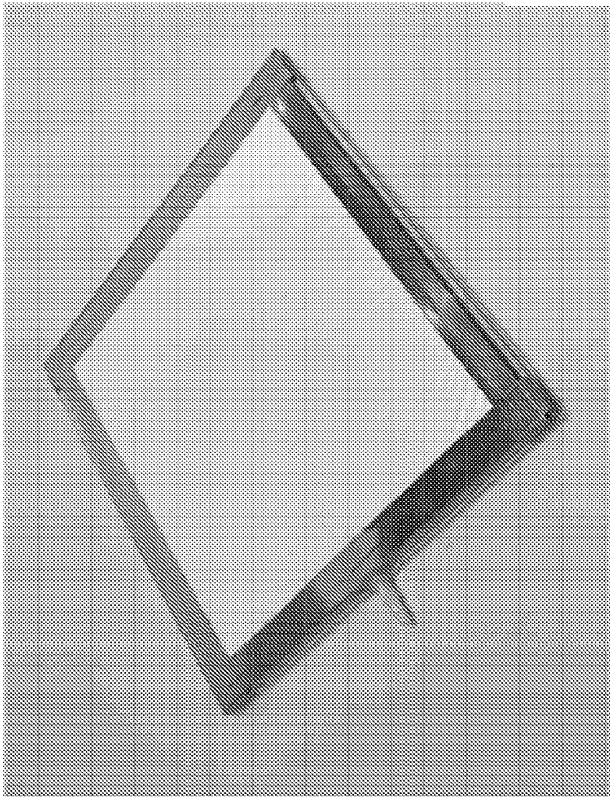


FIG. 30C

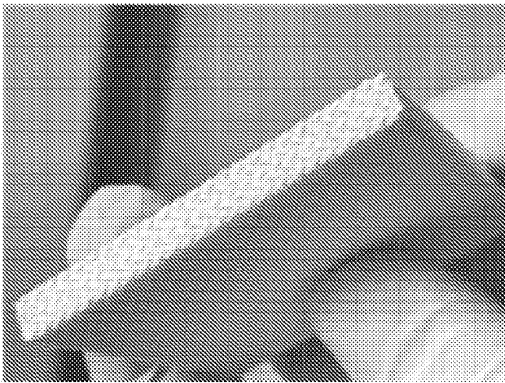


FIG. 30A

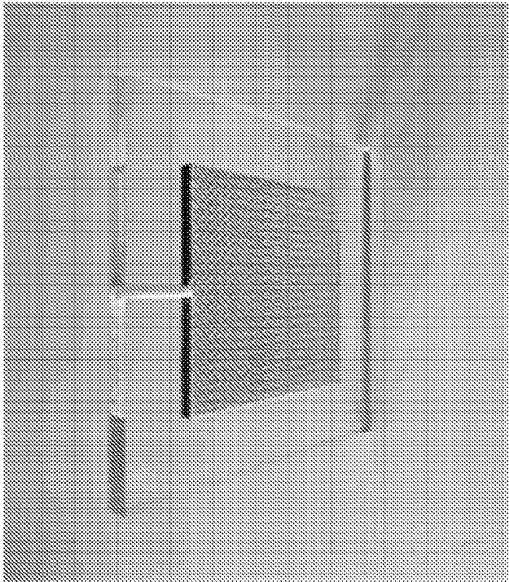


FIG. 30B

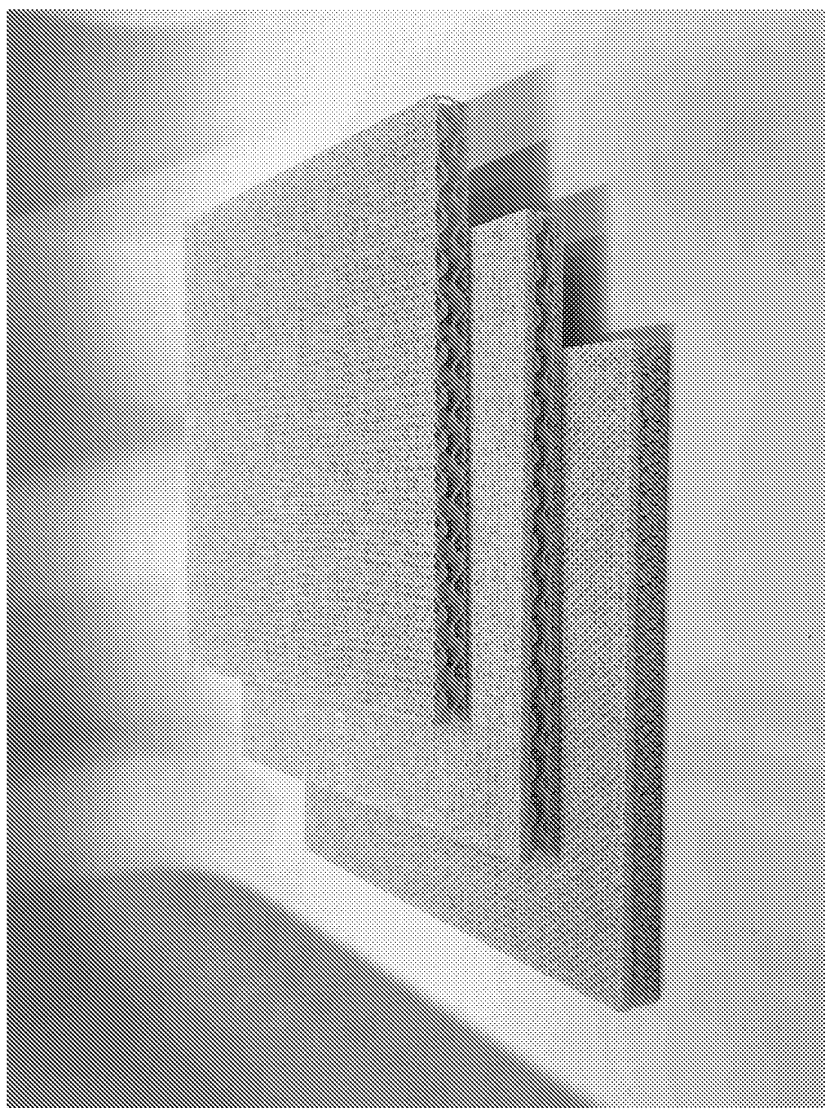


FIG. 30D

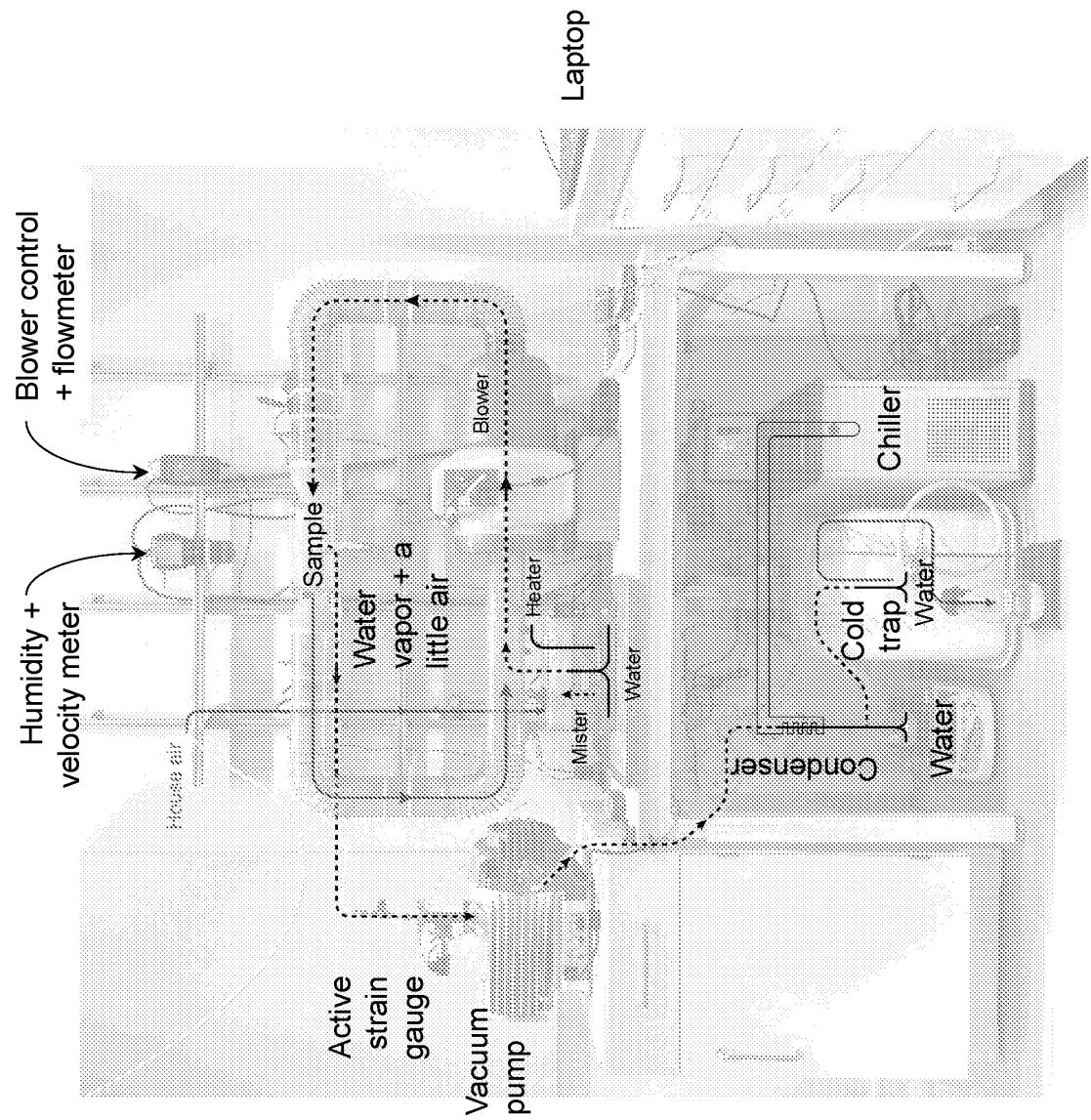
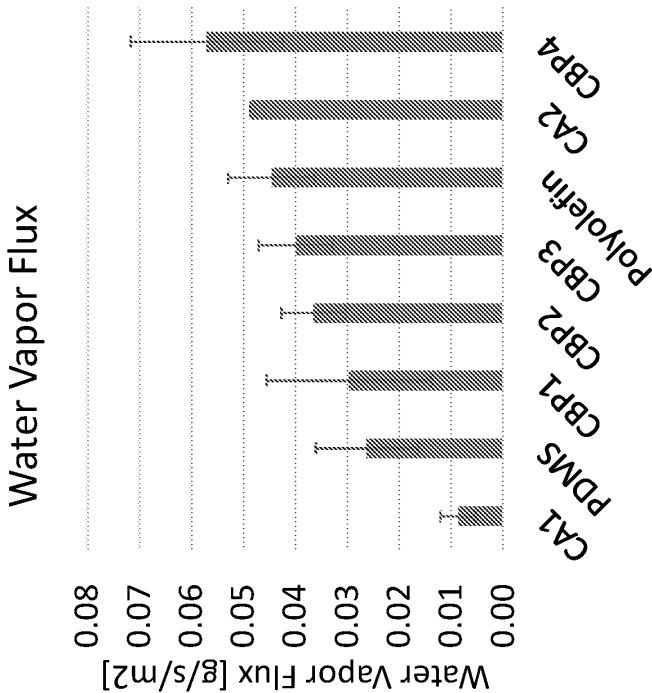
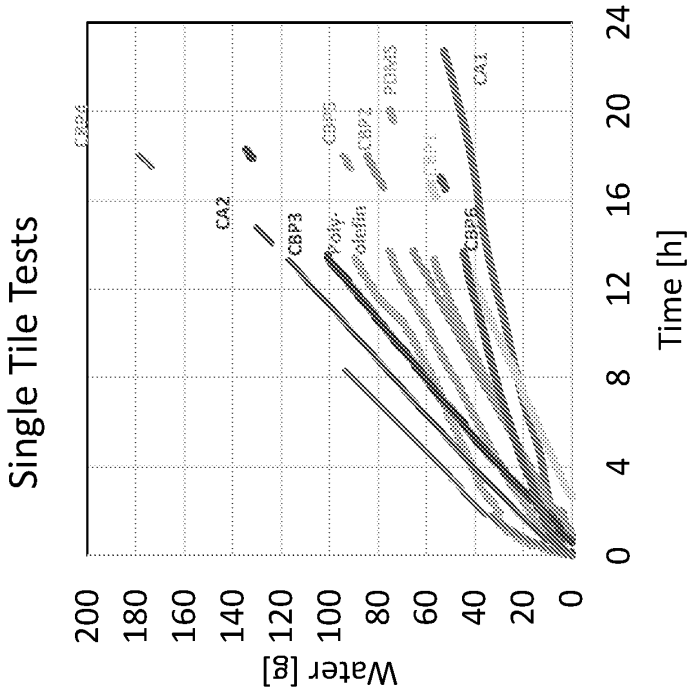


FIG. 30E



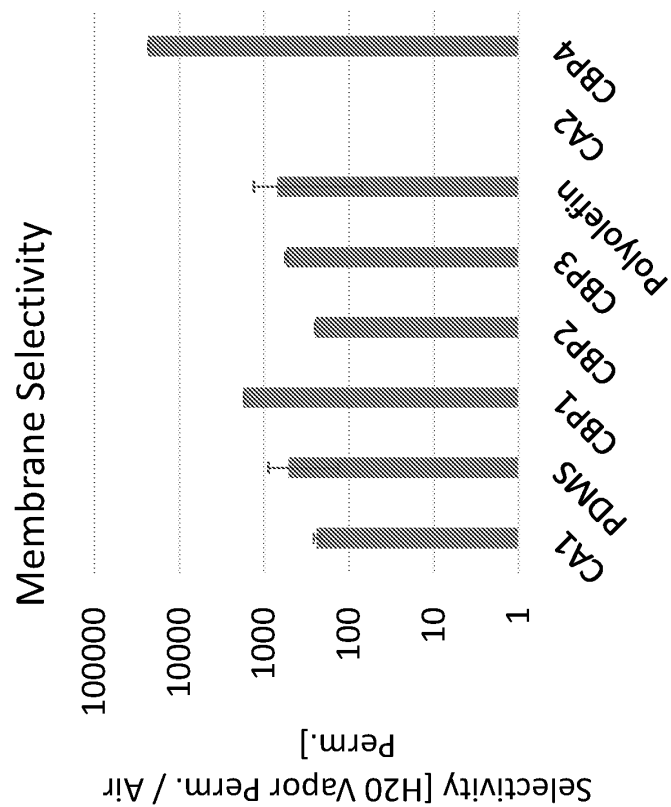
CA = Cellulose Acetate
CBP = Co-Block Polymer
PDMS = Polydimethylsiloxane

FIG. 31B



CA = Cellulose Acetate
CBP = Co-Block Polymer
PDMS = Polydimethylsiloxane

FIG. 31A



CA = Cellulose Acetate
CBP = Co-Block Polymer
PDMS = Polydimethylsiloxane

FIG. 31C

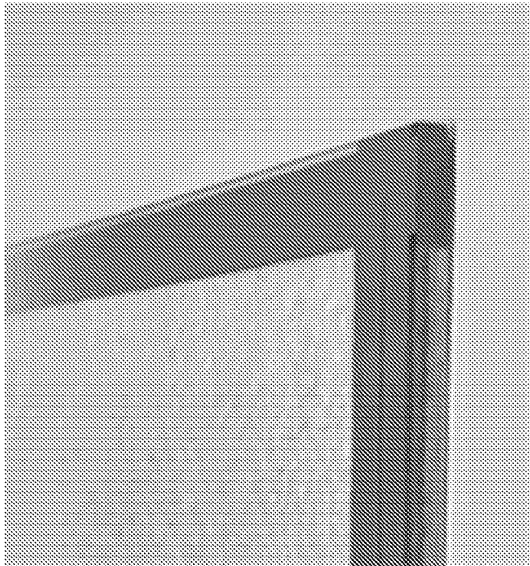


FIG. 32B

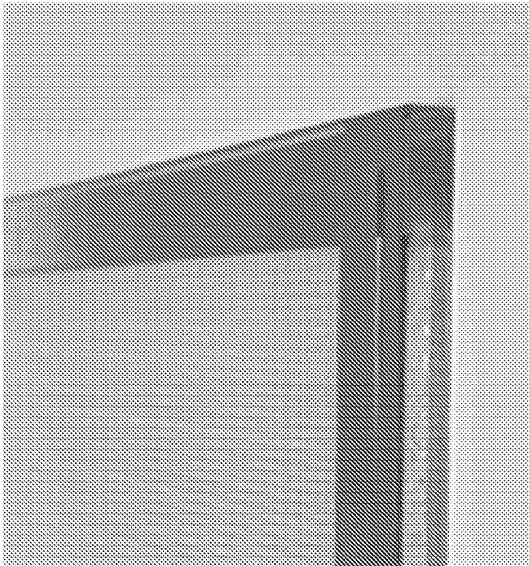


FIG. 32D

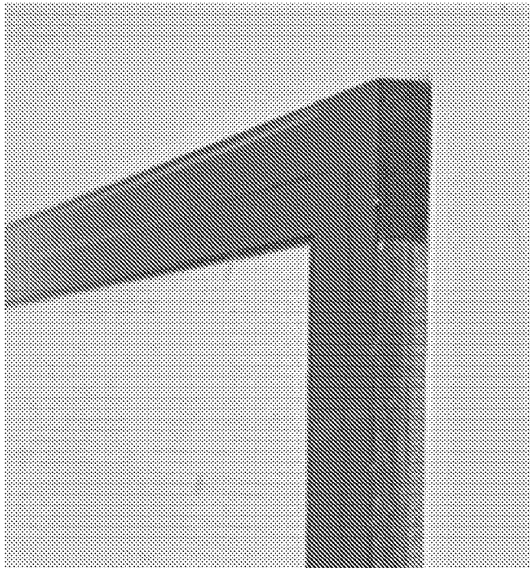


FIG. 32A

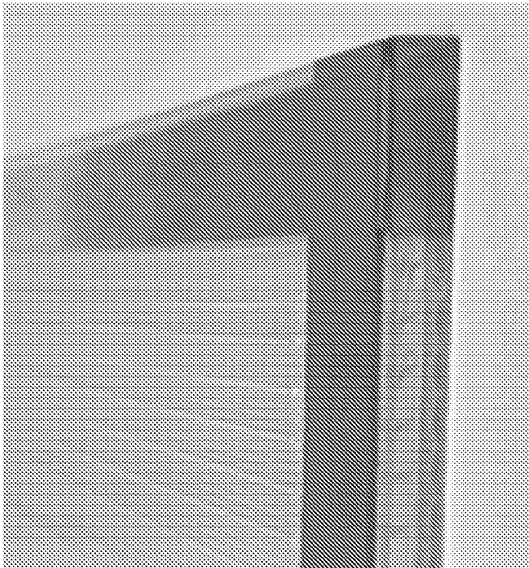
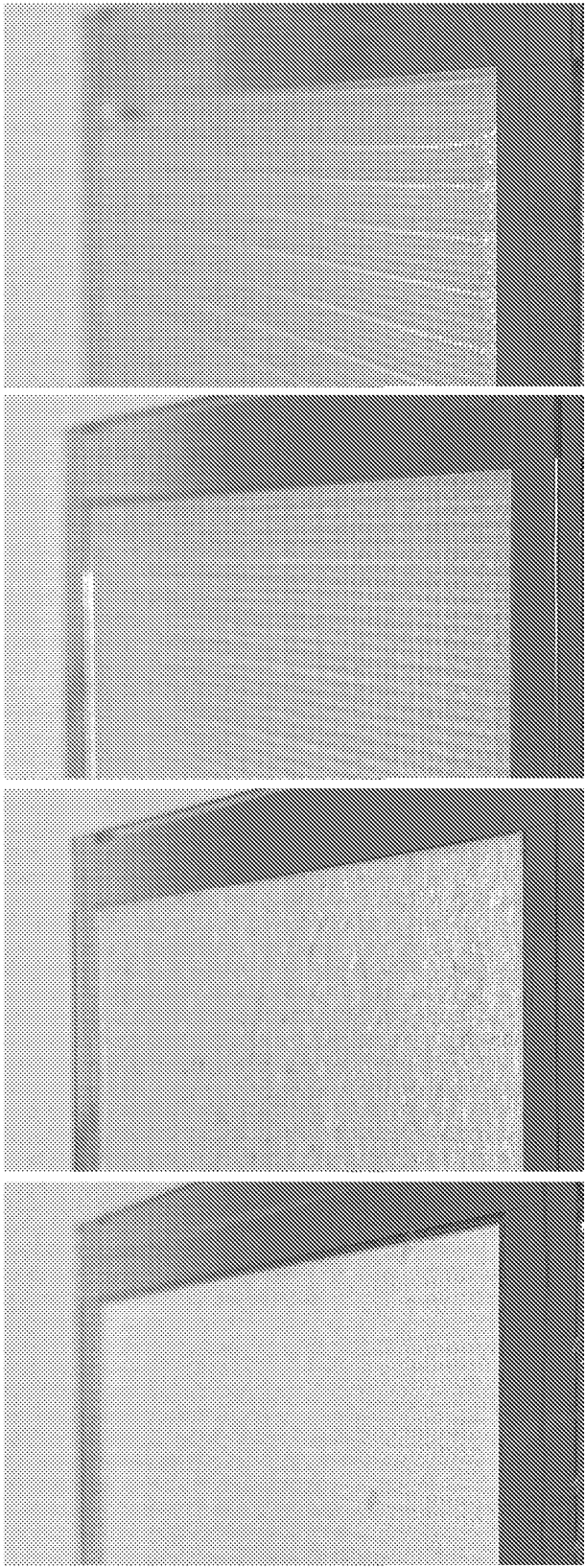


FIG. 32C

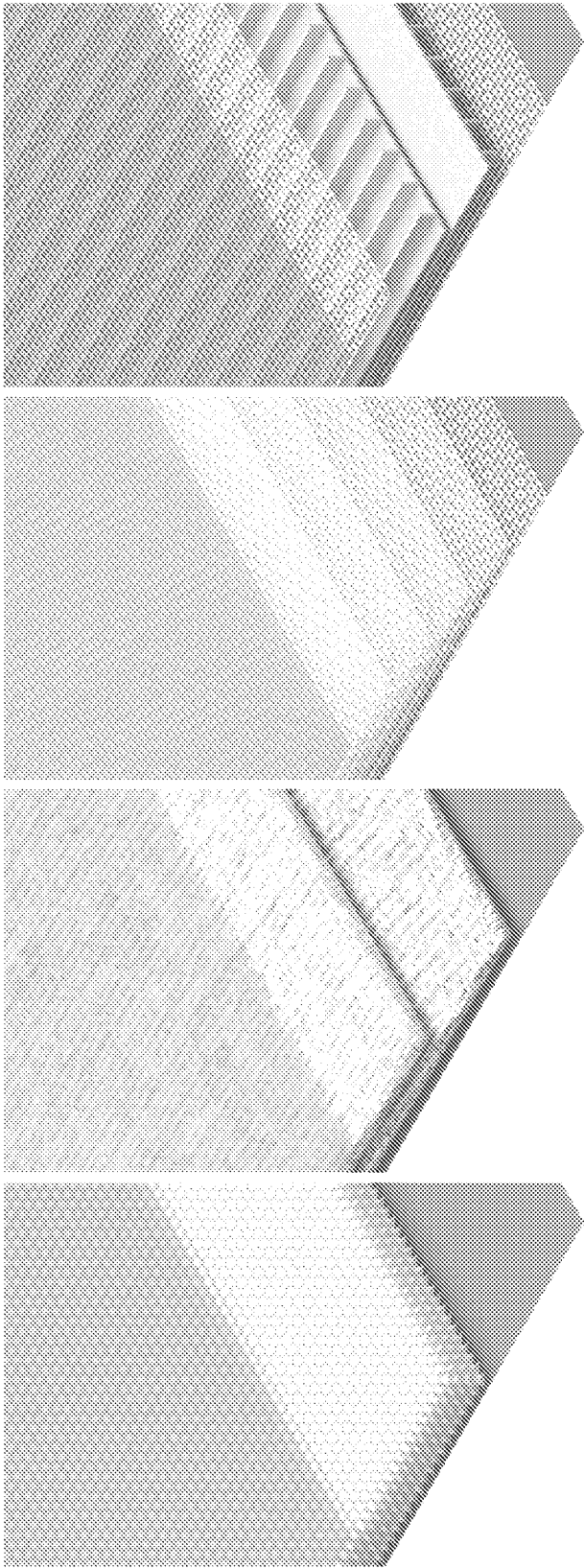


Hybrid channels
+ mesh faces
FIG. 32H

Stacked
mesh
FIG. 32G

Non-woven
fiber pads
FIG. 32F

3d print
FIG. 32E



Hybrid channels
+ mesh faces
FIG. 32L

Stacked
mesh
FIG. 32K

Non-woven
fiber pads
FIG. 32J

3d print
FIG. 32I

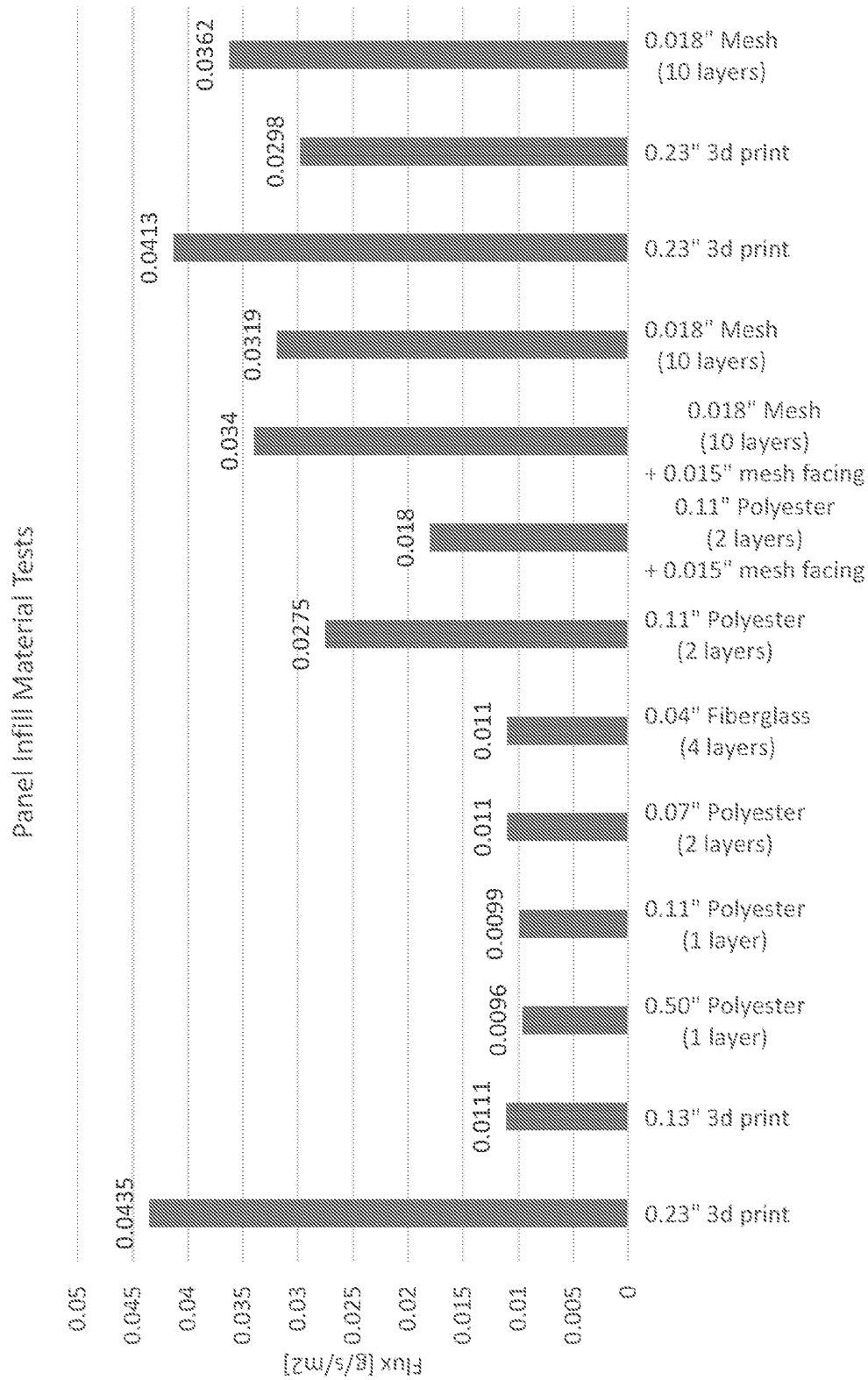


FIG. 32M

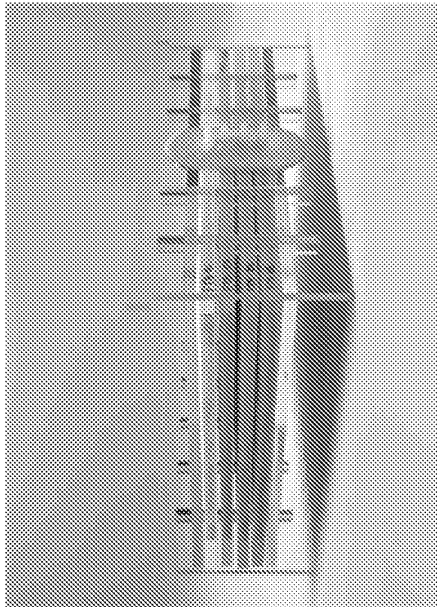


FIG. 33A

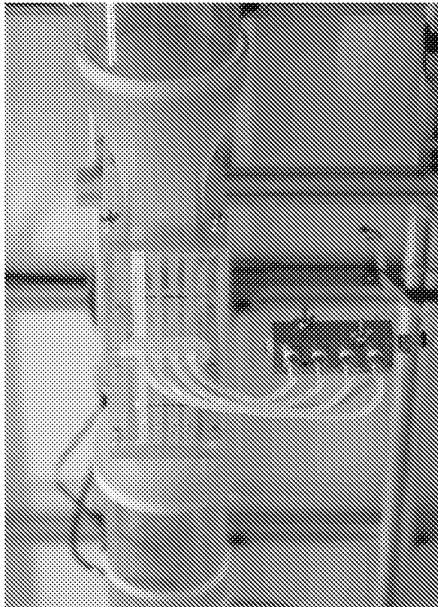


FIG. 33B

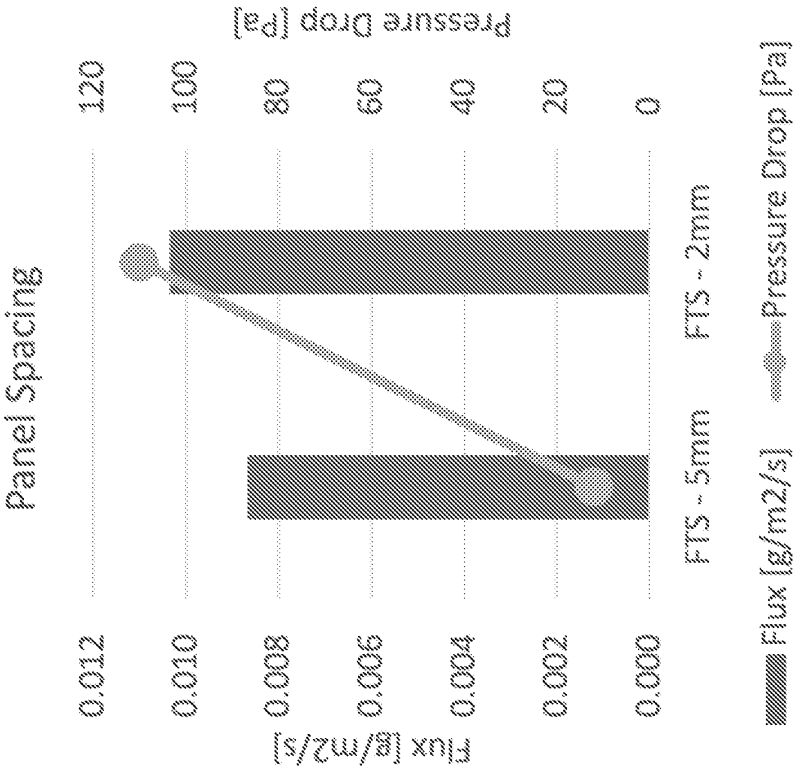


FIG. 33C

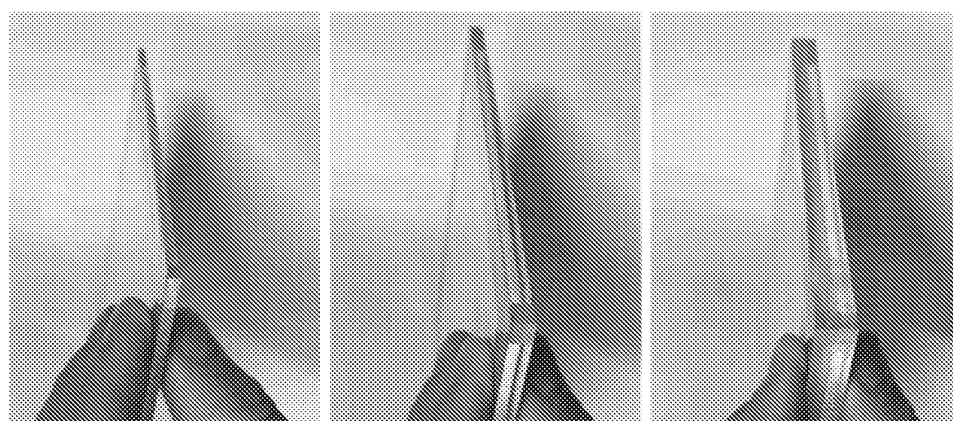


FIG. 33D

FIG. 33E

FIG. 33F

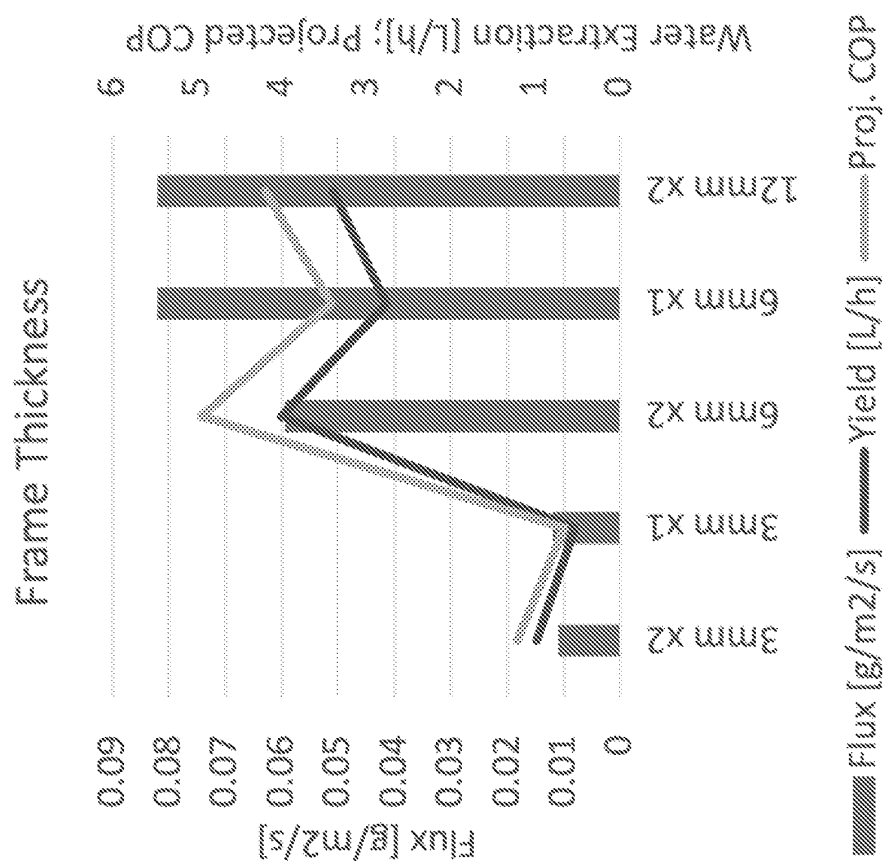


FIG. 33G

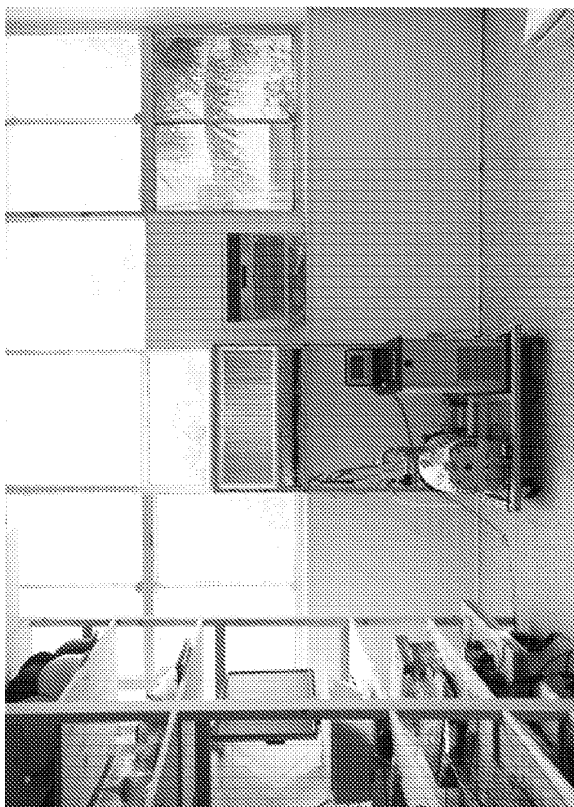


FIG. 34B



FIG. 34A

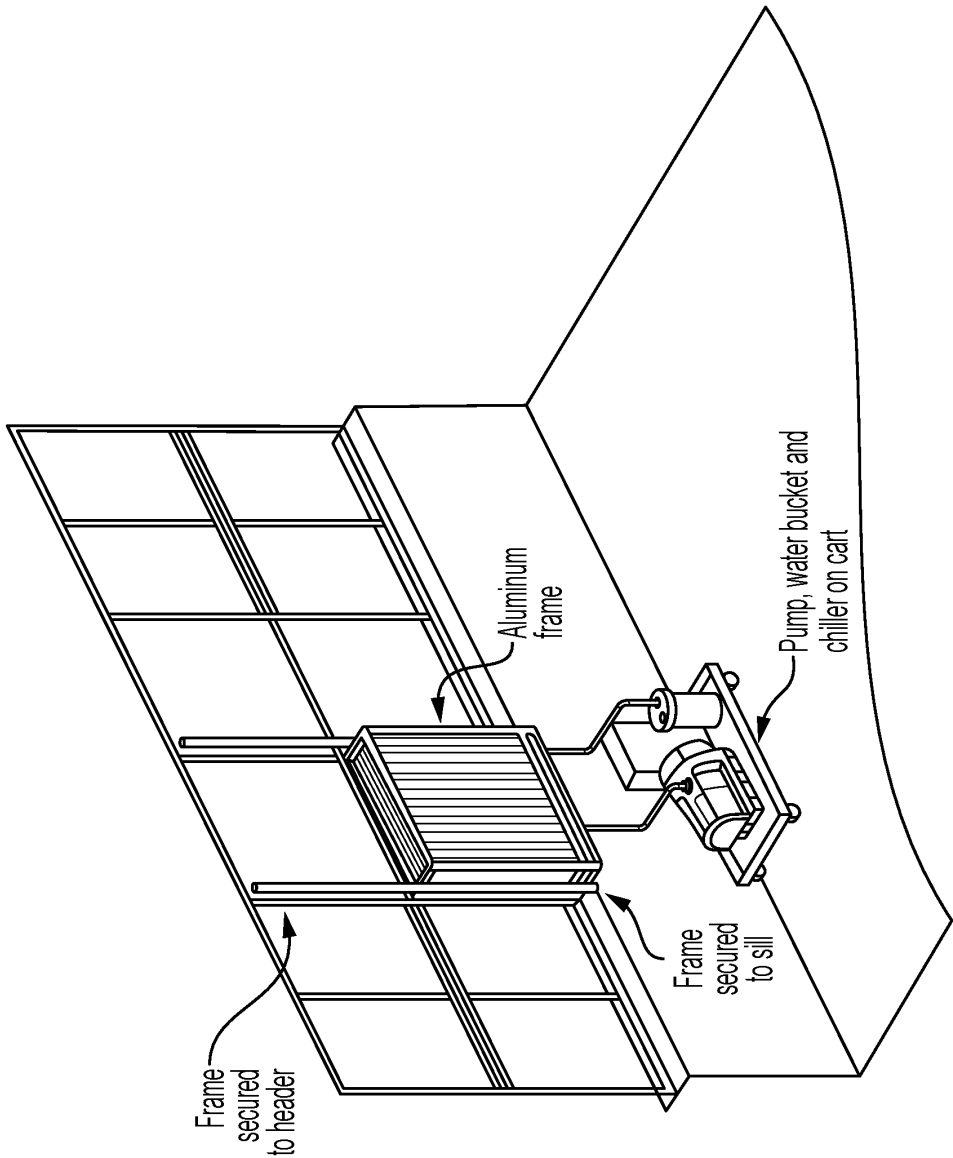


FIG. 34C

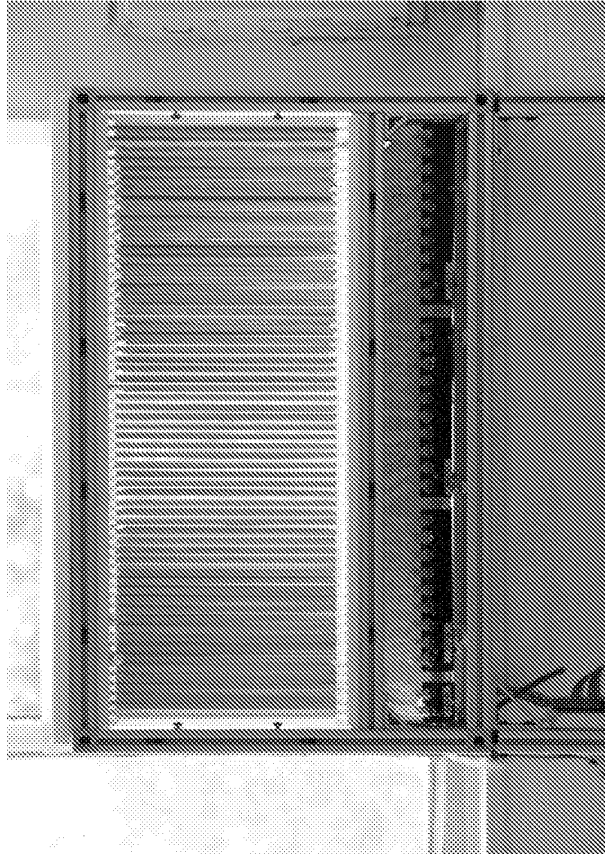


FIG. 34D

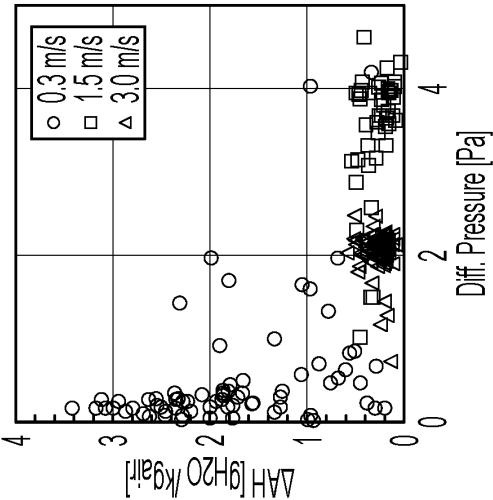


FIG. 35C

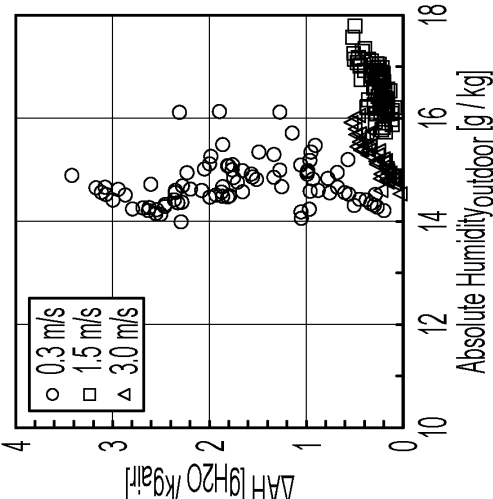


FIG. 35B

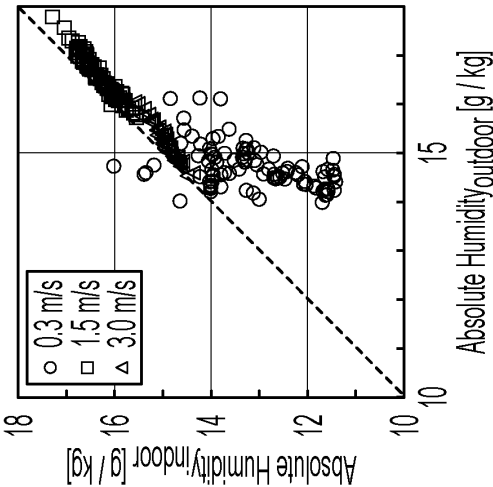


FIG. 35A

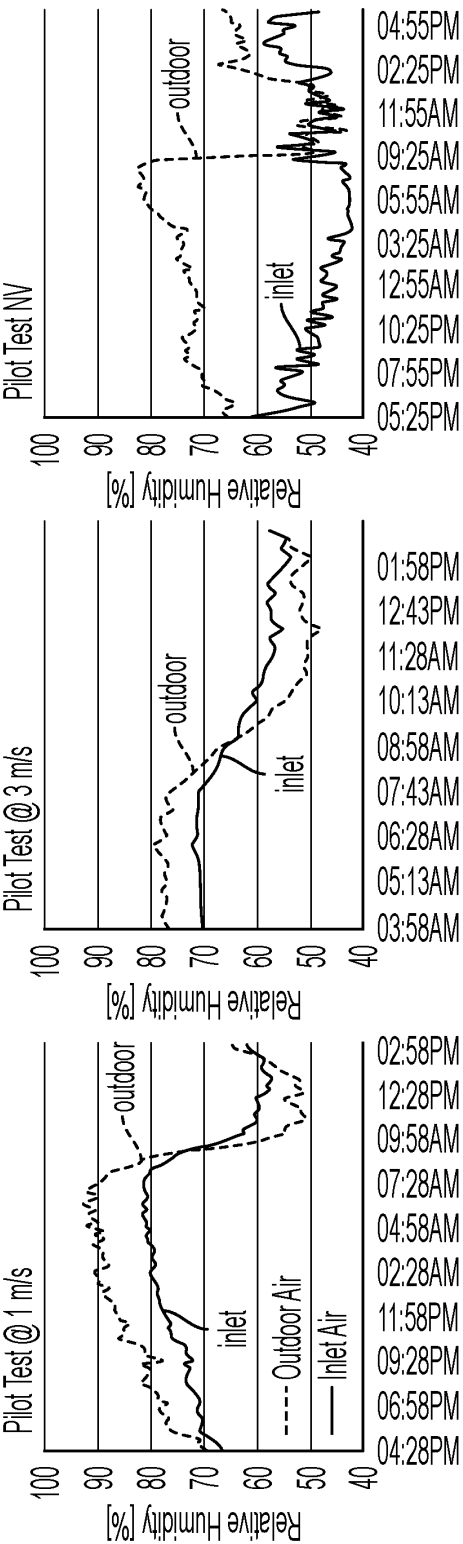


FIG. 36A

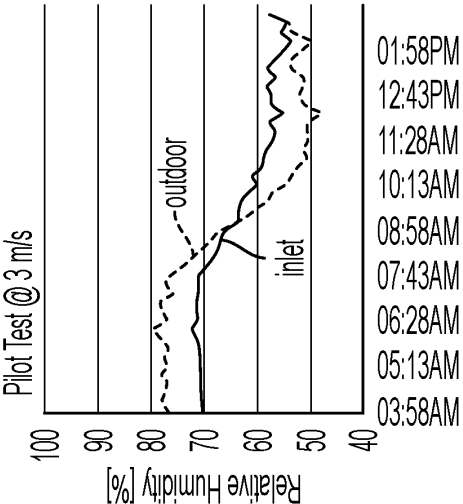


FIG. 36B

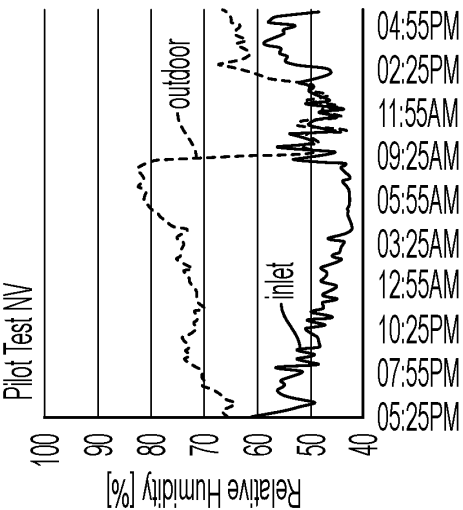


FIG. 36C

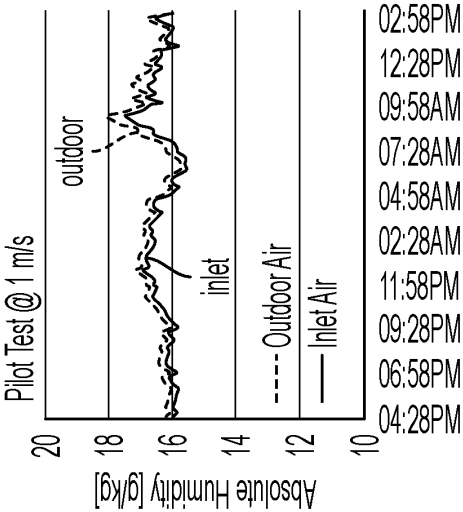


FIG. 36D

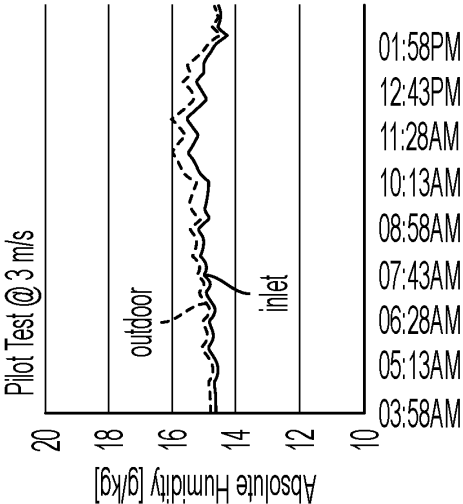


FIG. 36E

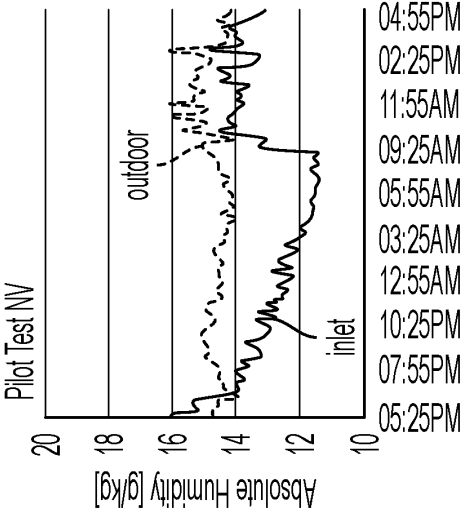


FIG. 36F

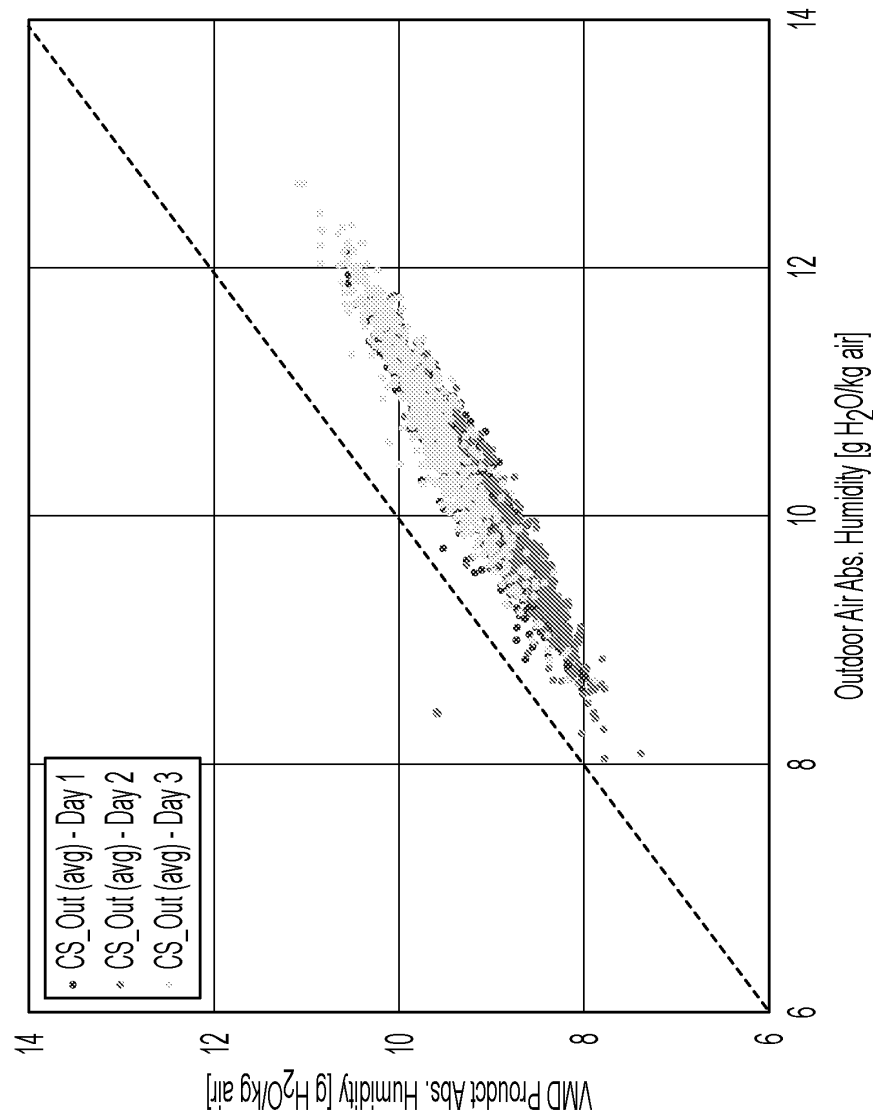


FIG. 37

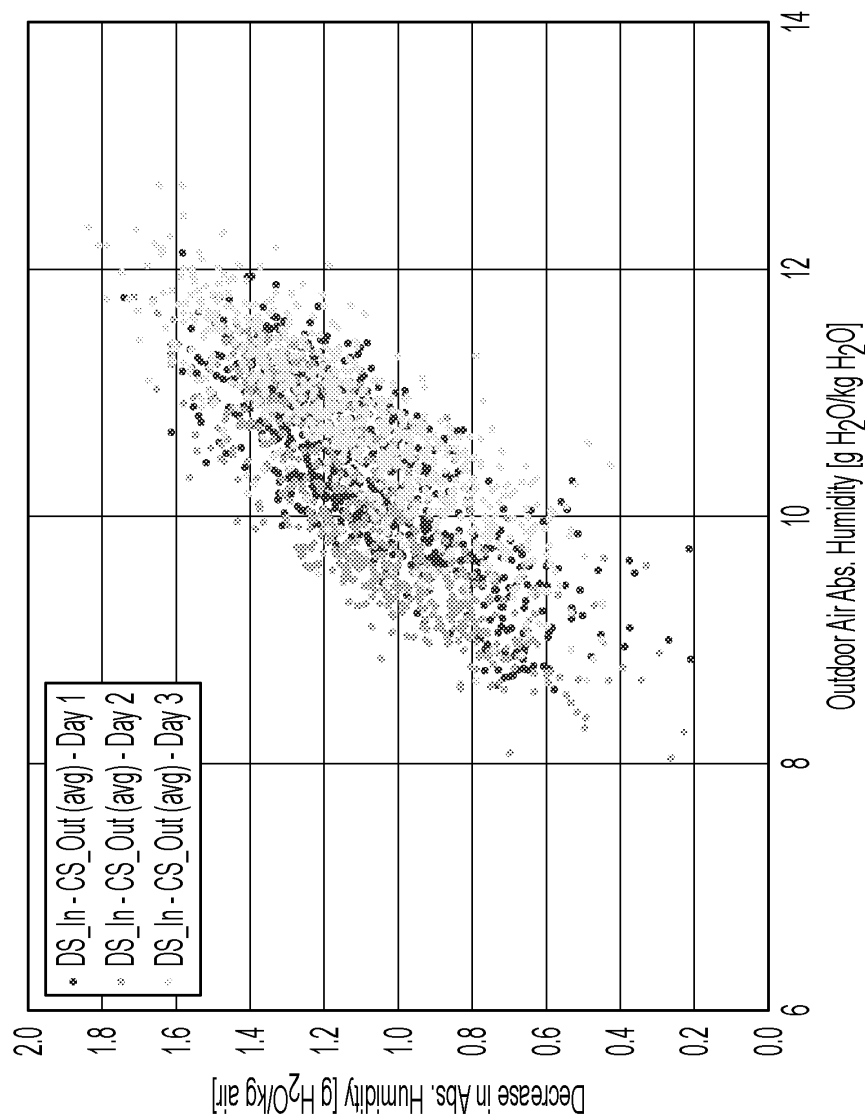


FIG. 38

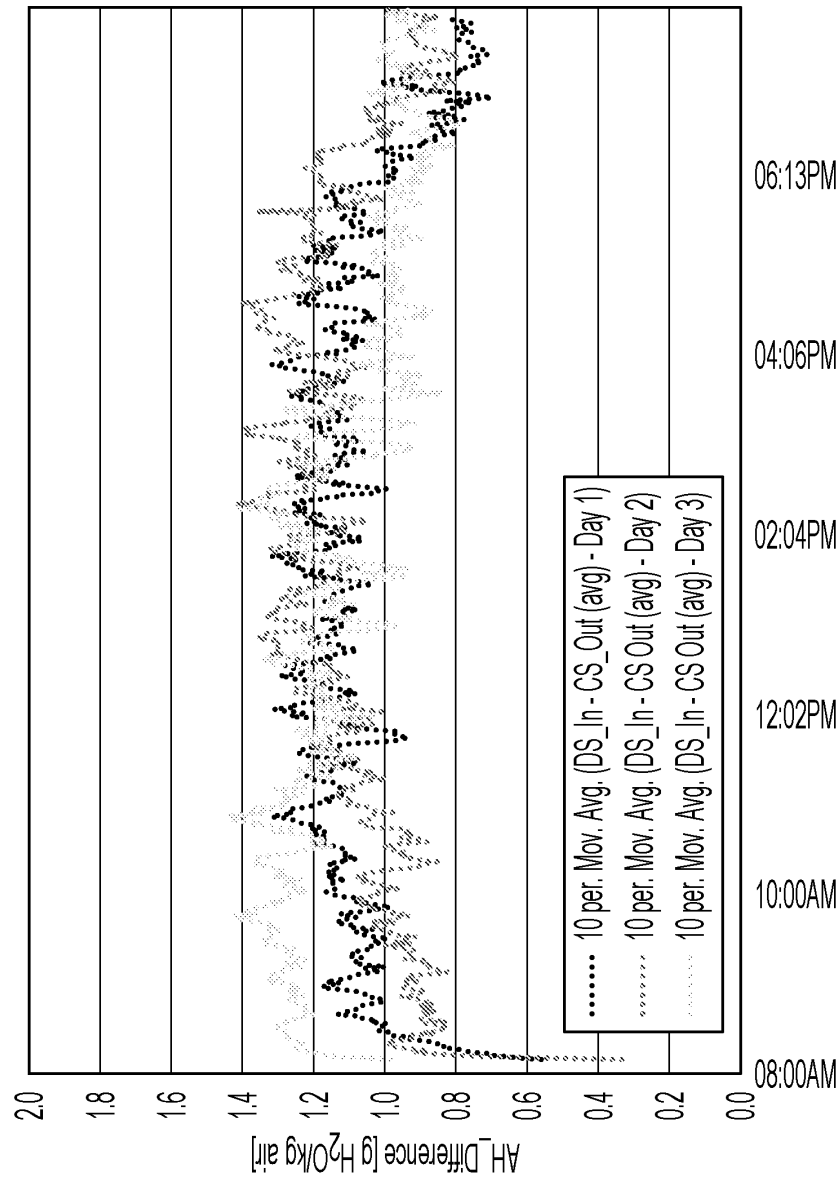


FIG. 39