

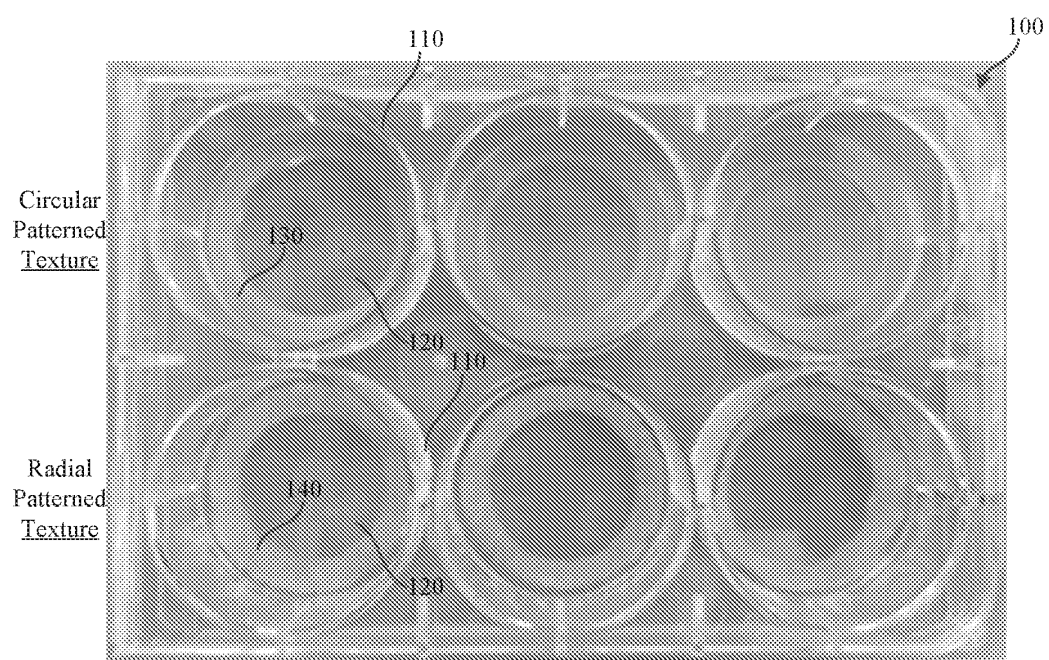


FIG. 1A

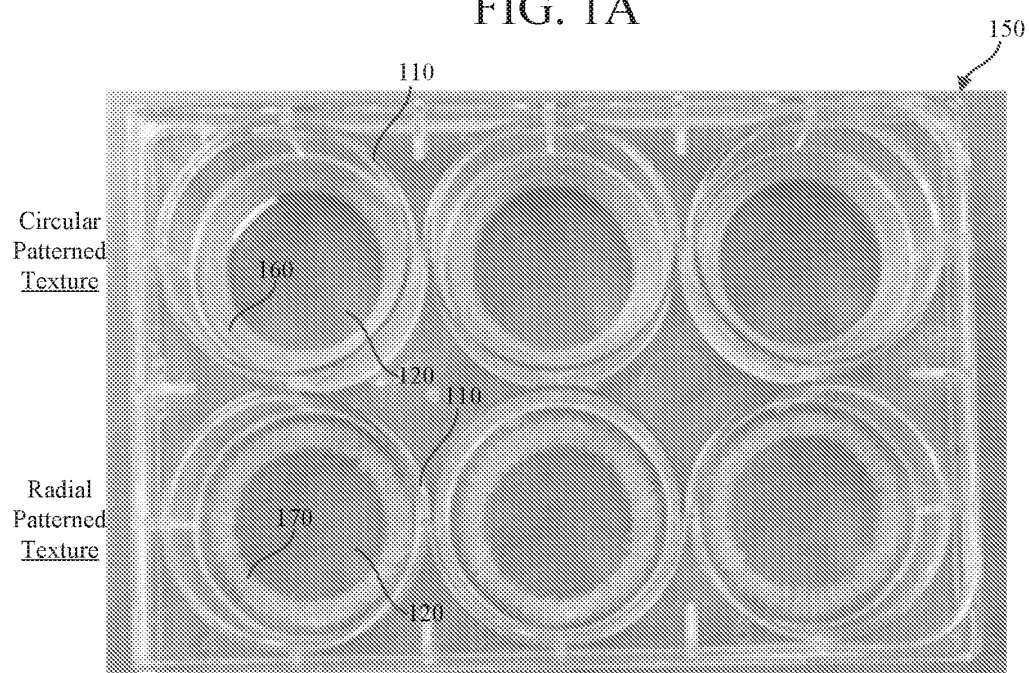


FIG. 1B

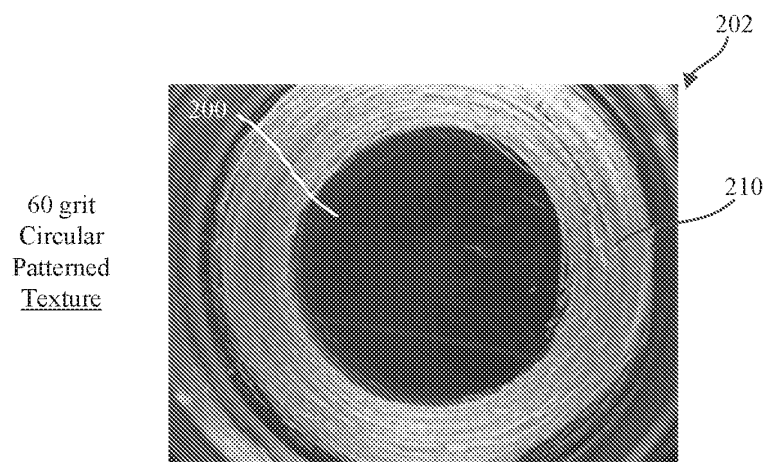


FIG. 2A

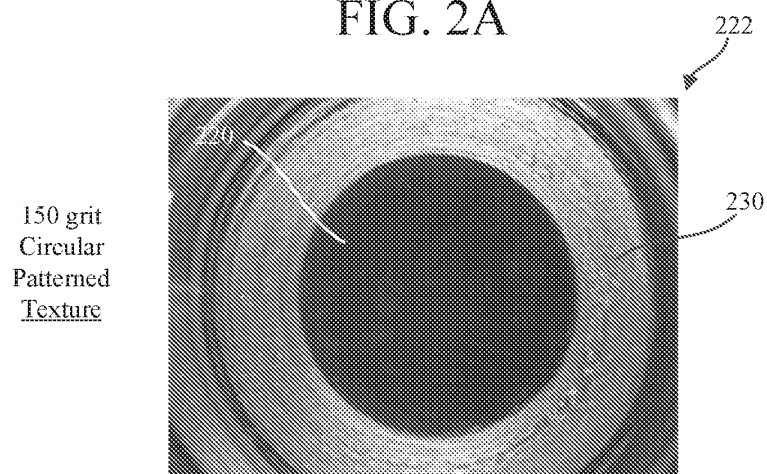


FIG. 2B

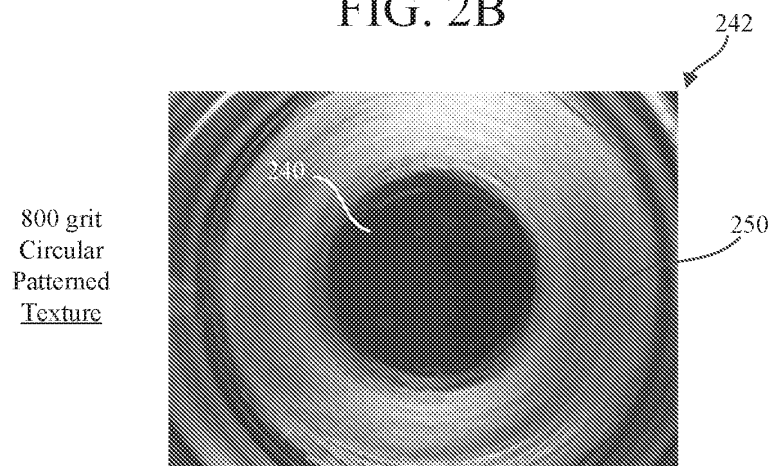
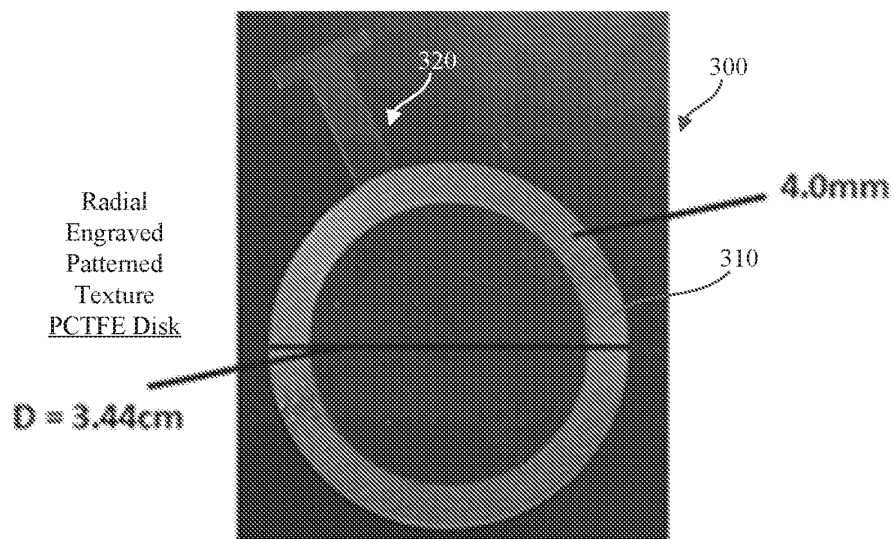


FIG. 2C



Prototype 7

FIG. 3A

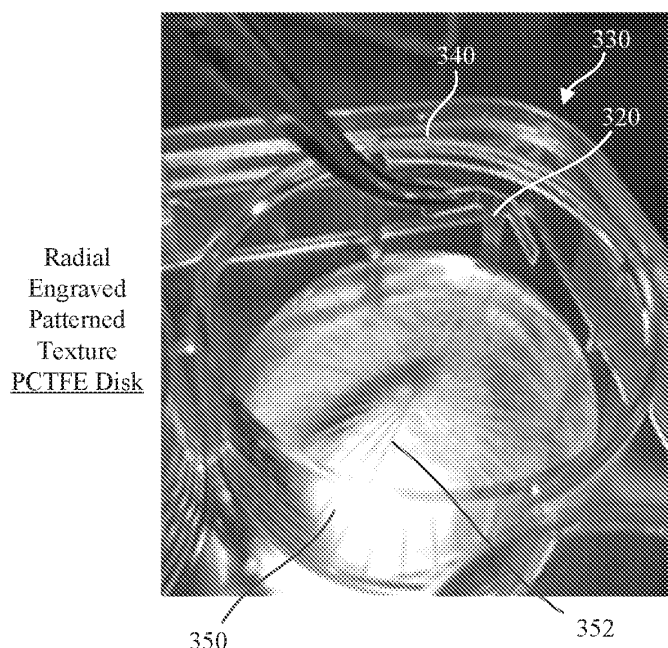


FIG. 3B

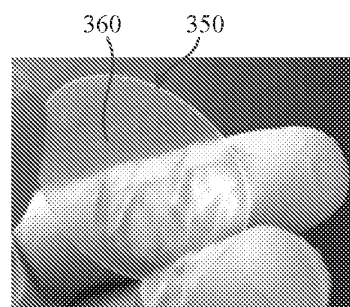


FIG. 3C

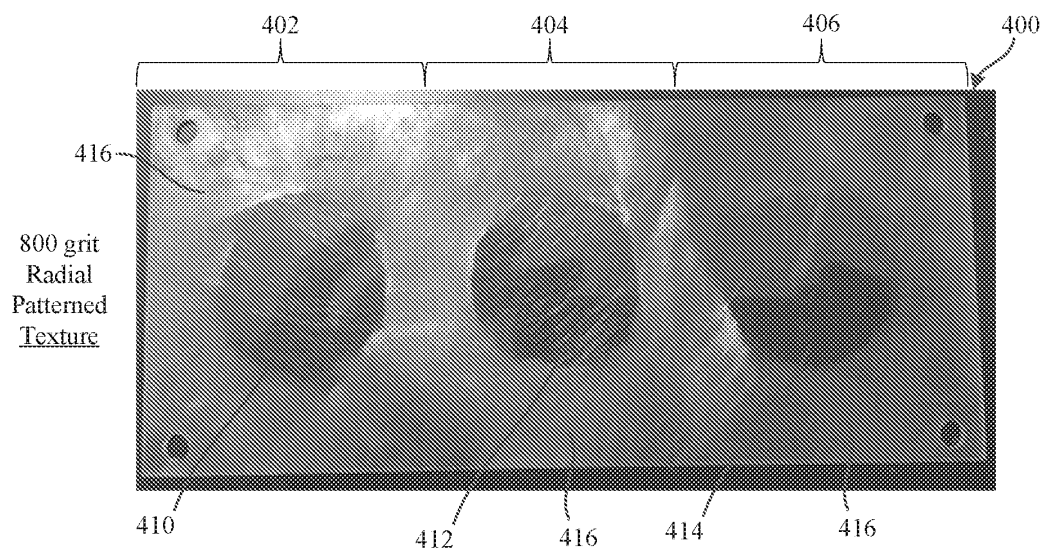


FIG. 4A

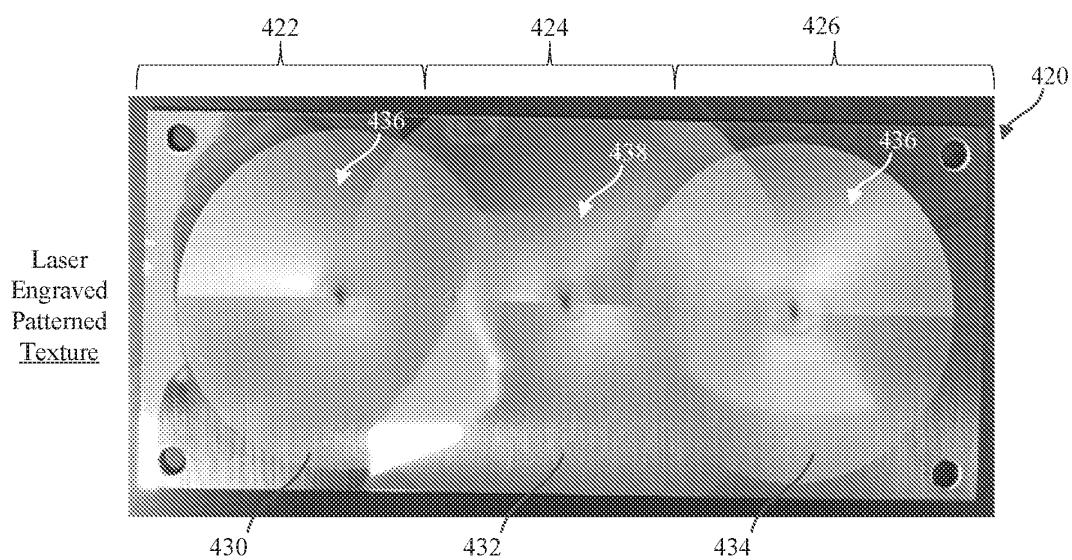


FIG. 4B

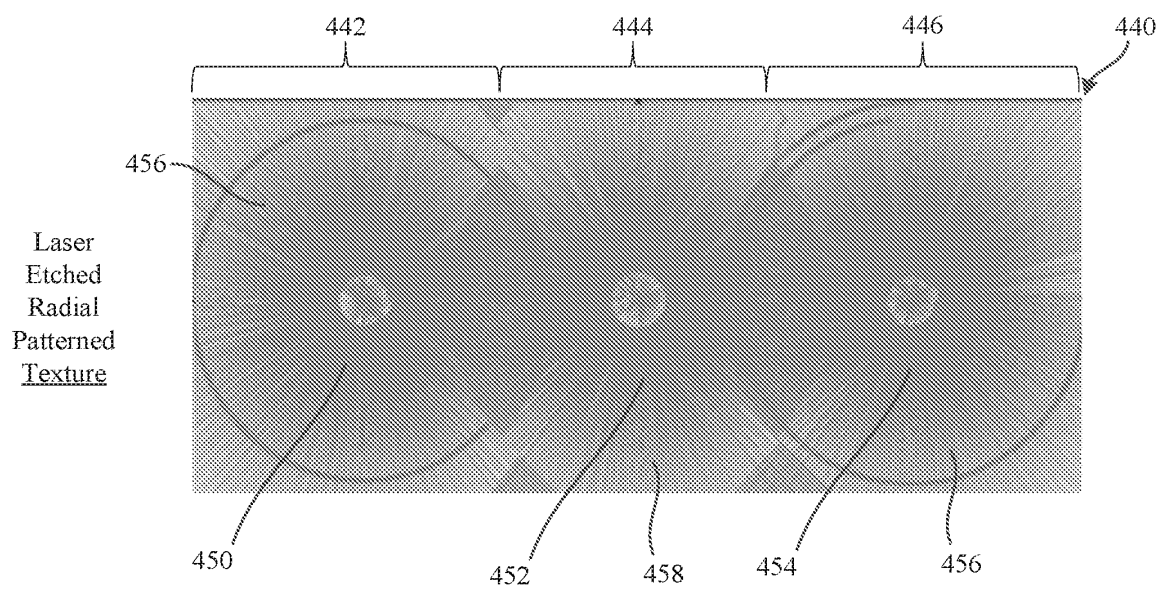
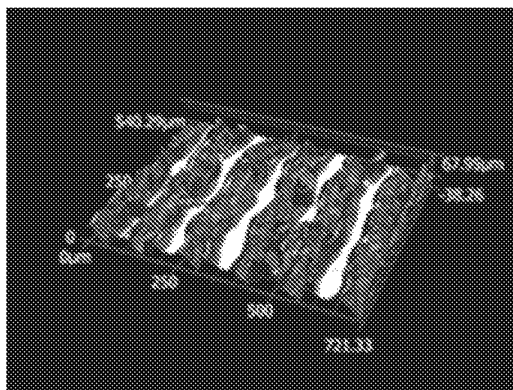


FIG. 4C

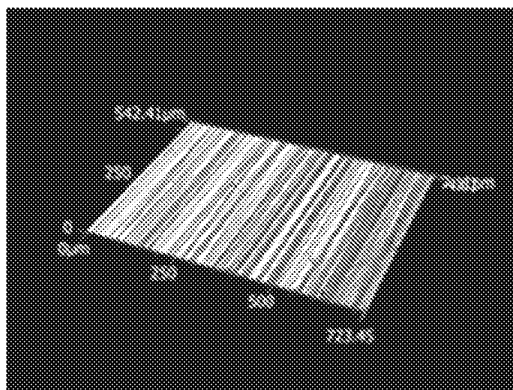
Die-Cut
Patterned
Texture



500

FIG. 5A

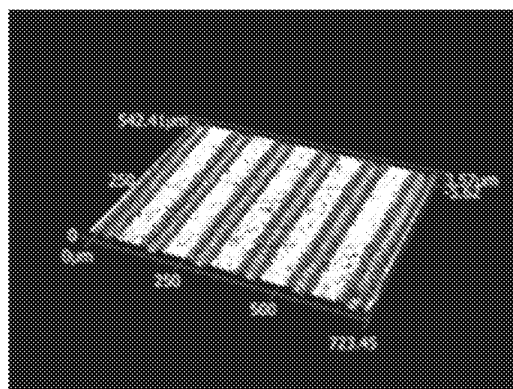
800 grit
Patterned
Texture



510

FIG. 5B

Laser
Engraved
Patterned
Texture



520

FIG. 5C

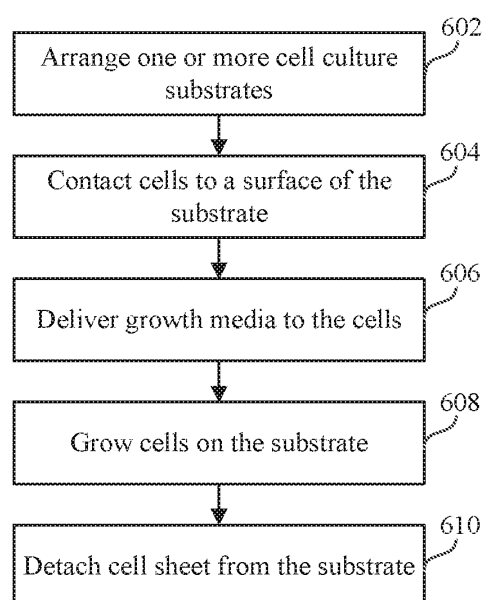
Cell Culture Method600

FIG. 6

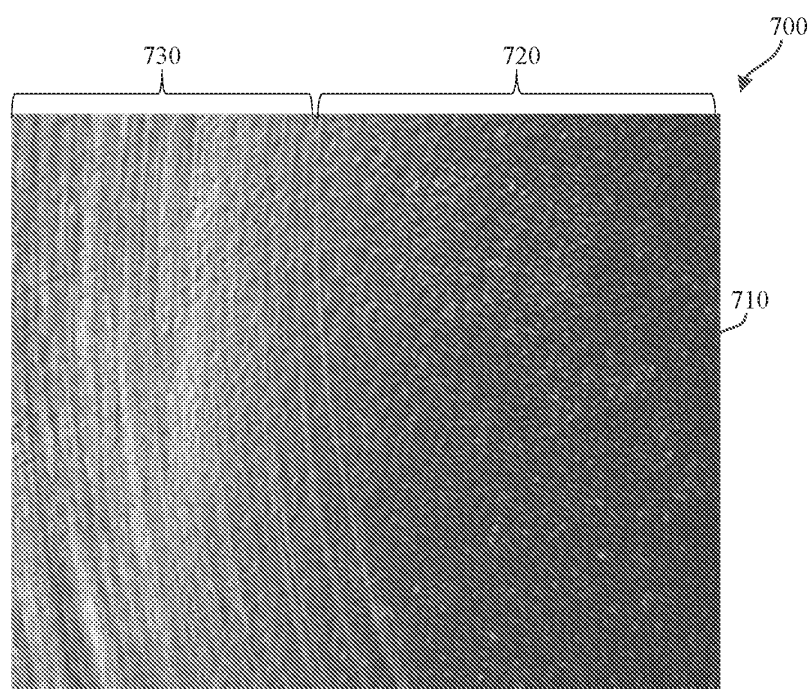


FIG. 7A

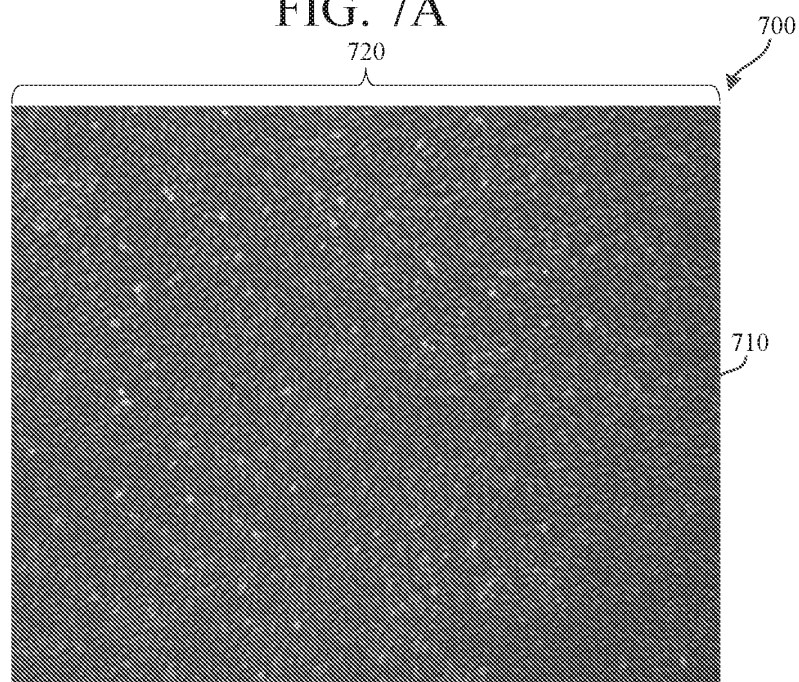


FIG. 7B

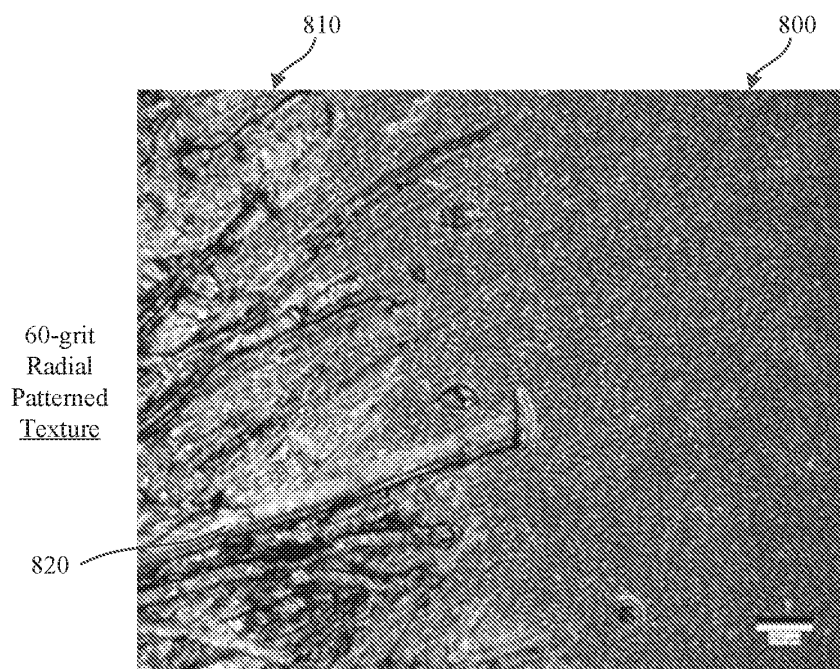


FIG. 8A

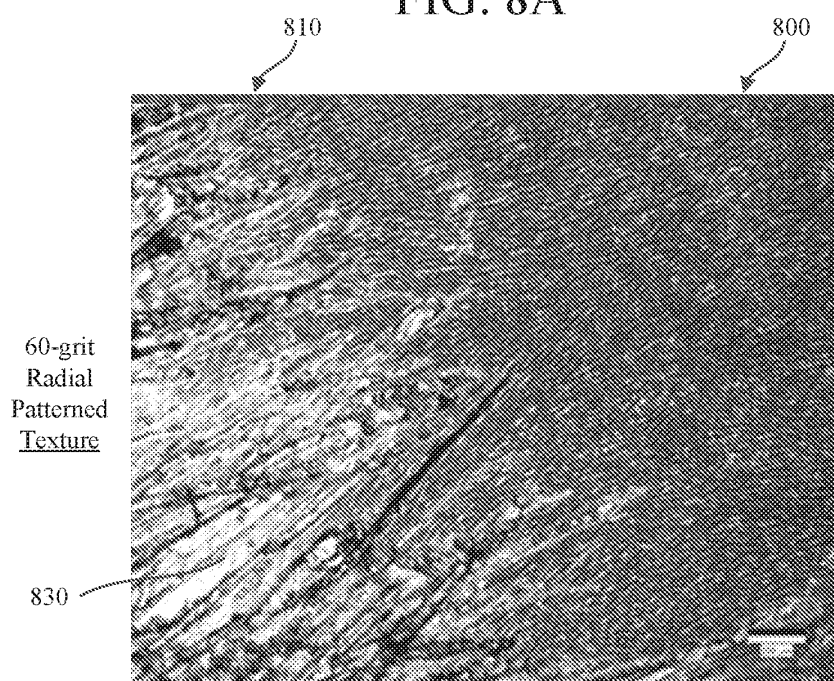


FIG. 8B

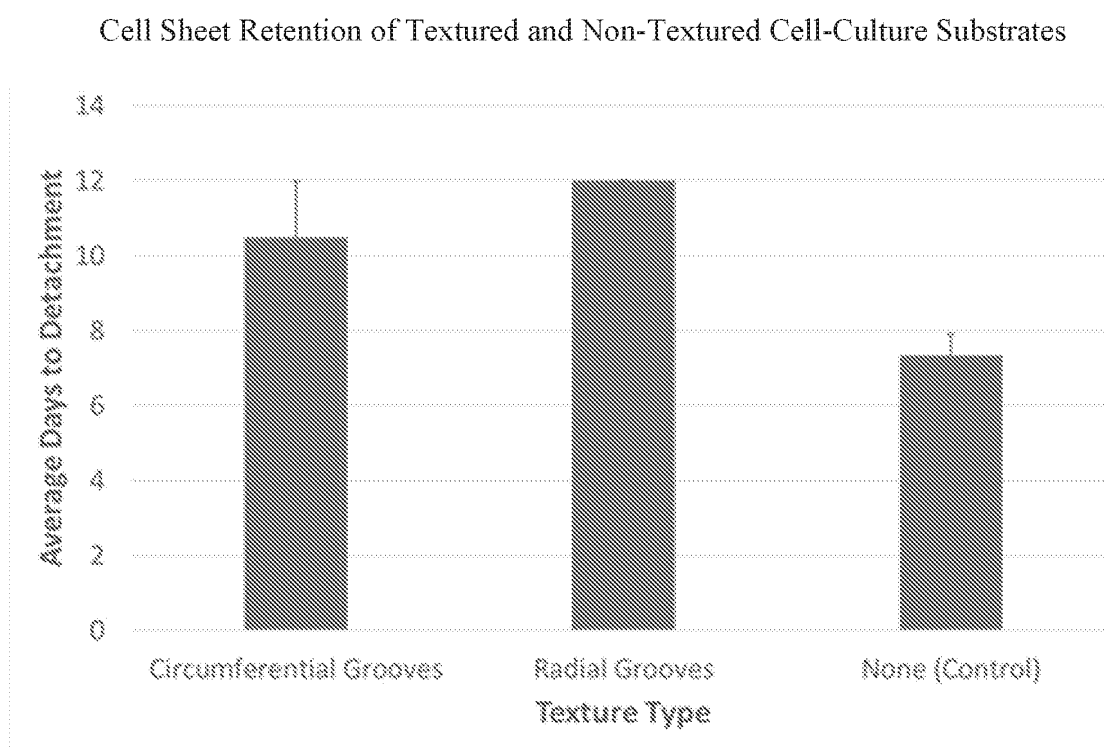


FIG. 9A

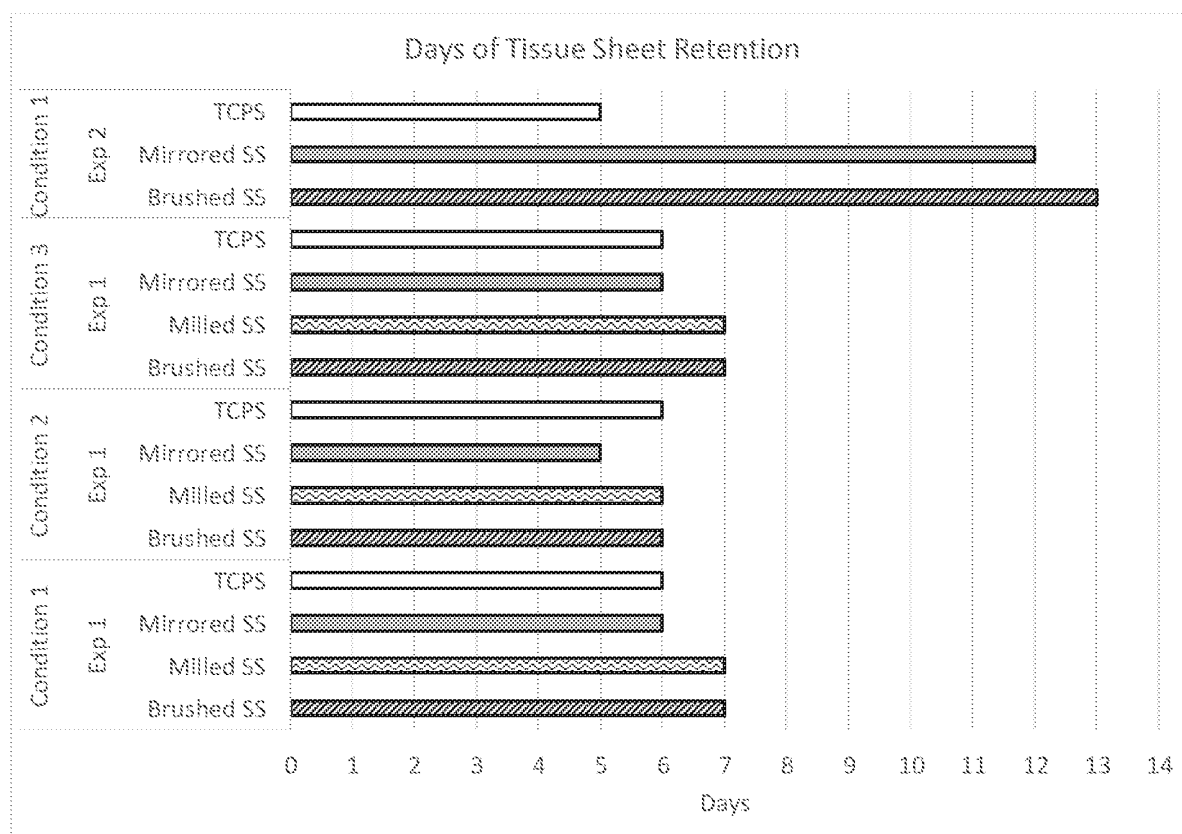
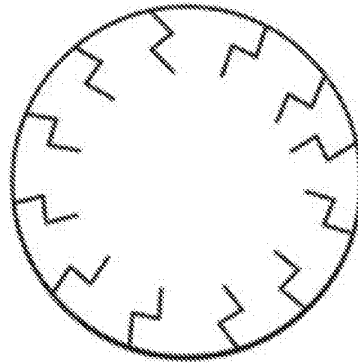


FIG. 9B

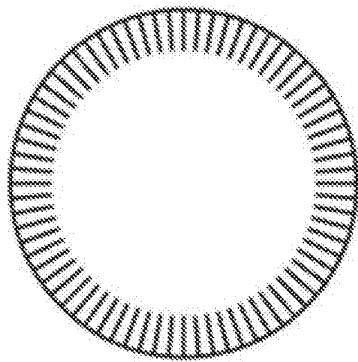
Non-linear
Patterned
Texture



1000

FIG. 10A

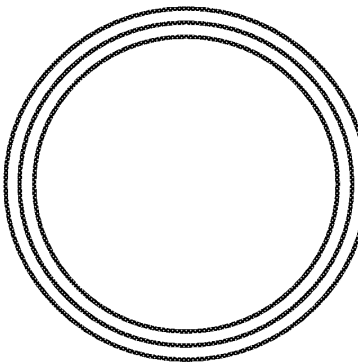
Radial
Patterned
Texture



1010

FIG. 10B

Circumferential
Patterned
Texture



1020

FIG. 10C

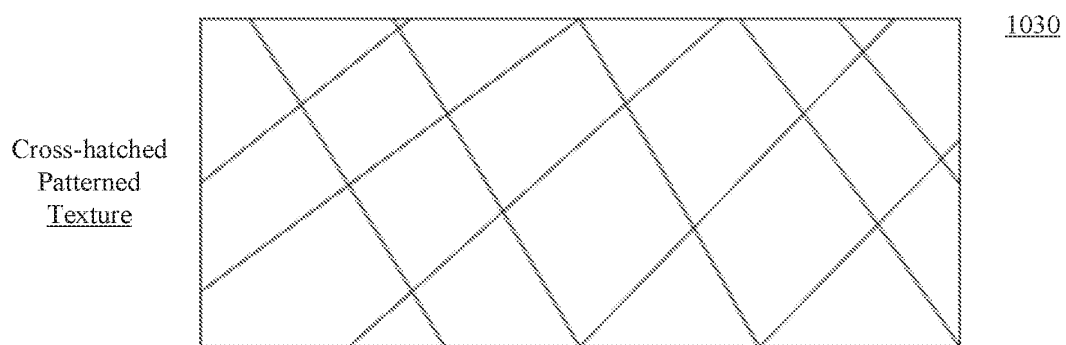


FIG. 10D

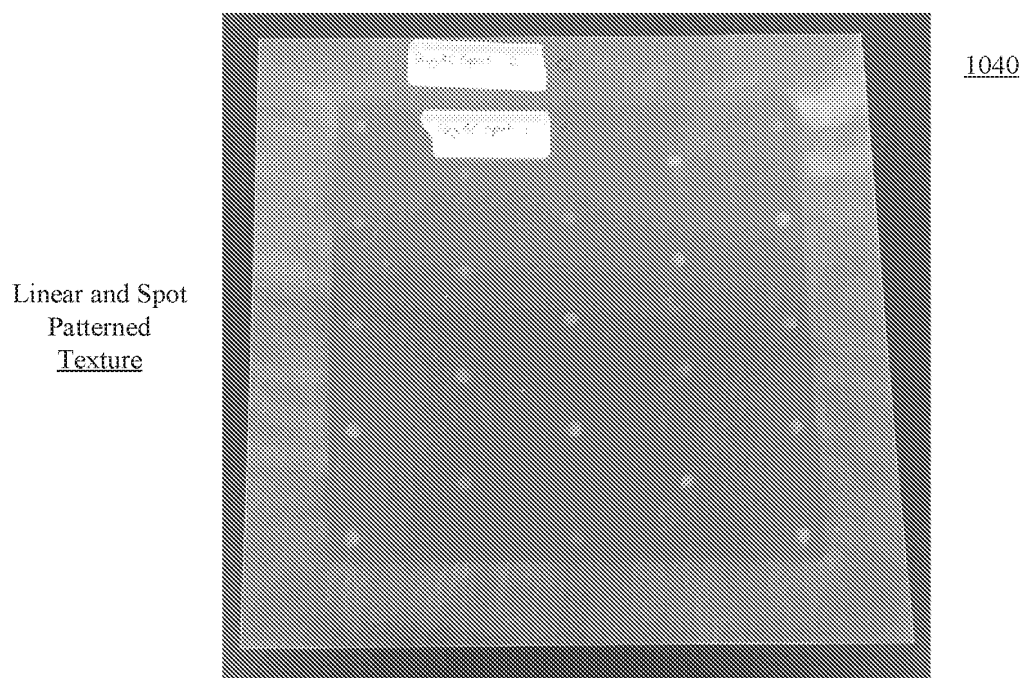
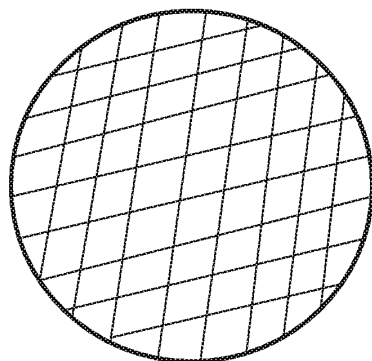


FIG. 10E

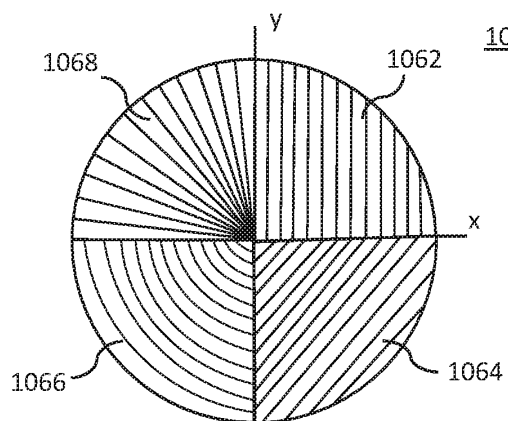
Cross-hatched
Patterned
Texture



1050

FIG. 10F

Dense
Patterned
Texture



1060

FIG. 10G

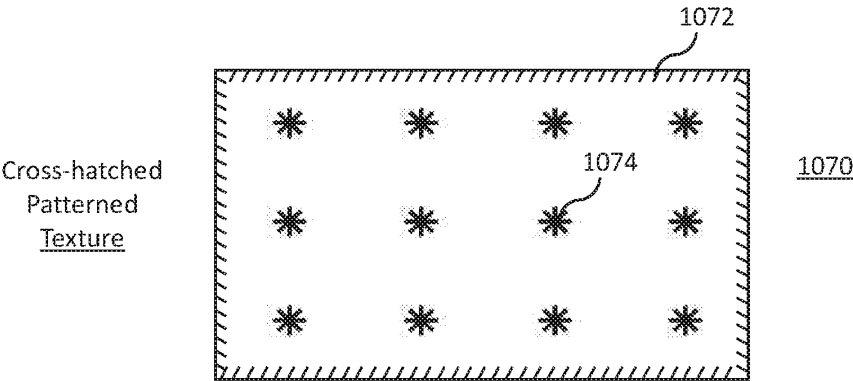


FIG. 10H

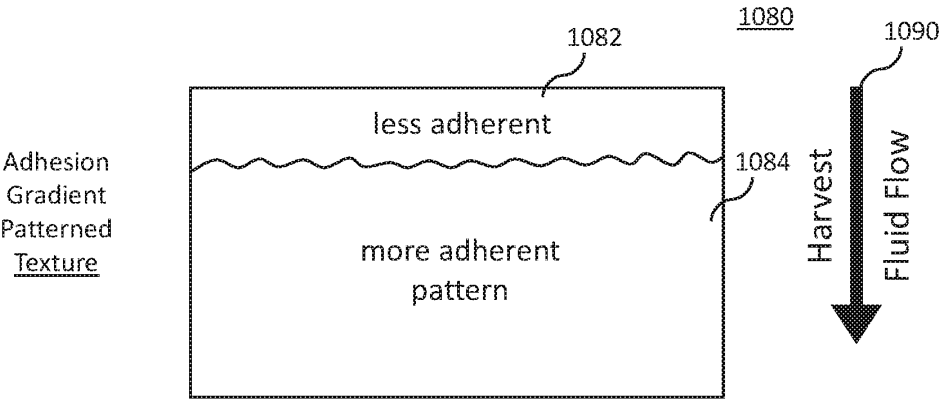


FIG. 10I

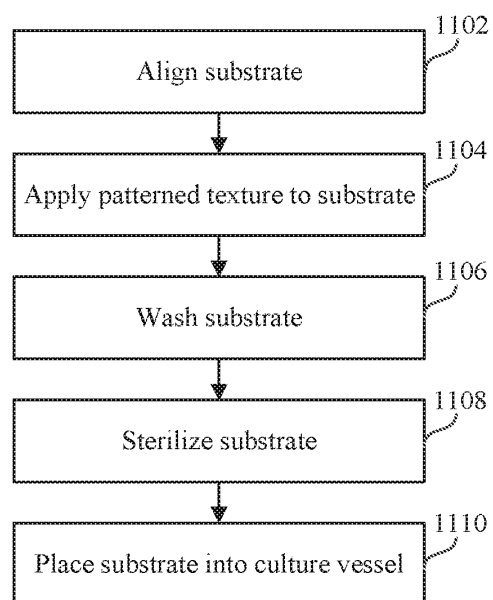
Manufacturing Method1100

FIG. 11

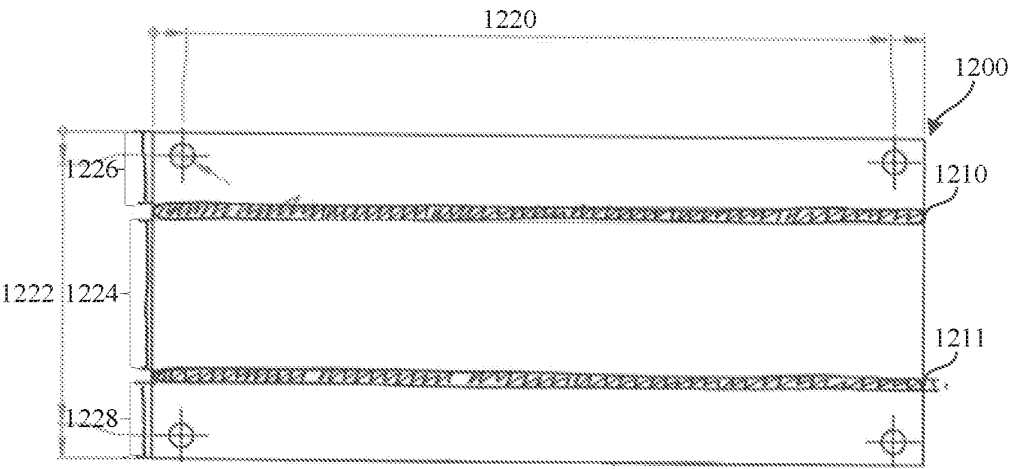


FIG. 12A

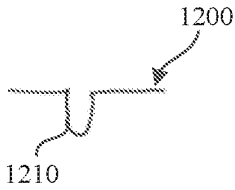


FIG. 12B

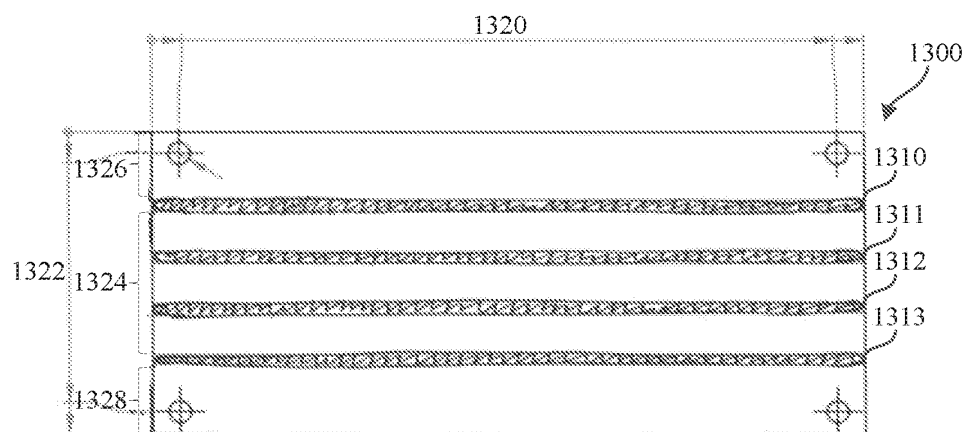


FIG. 13

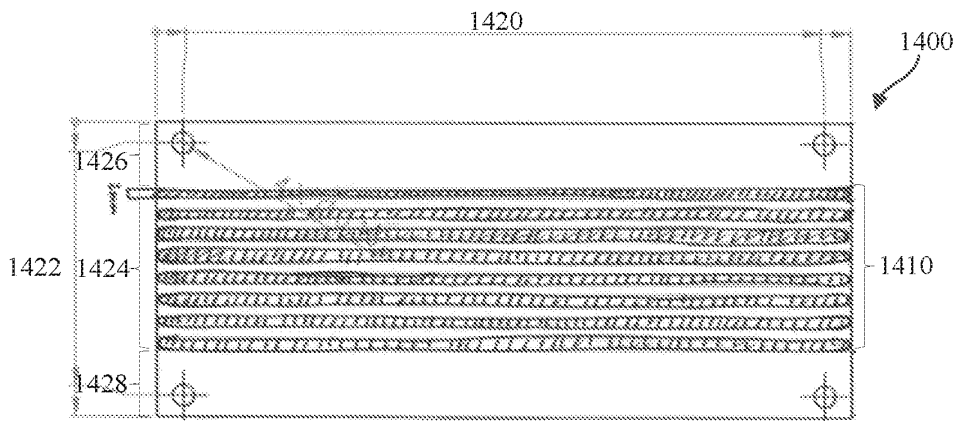


FIG. 14

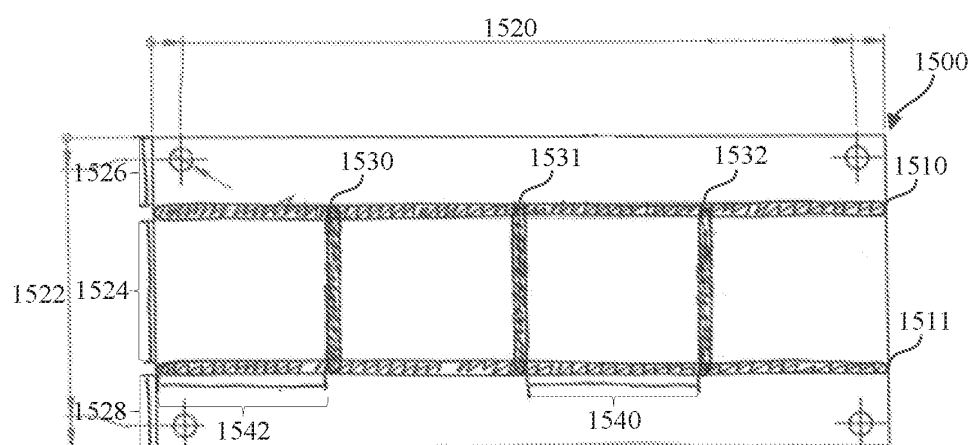


FIG. 15

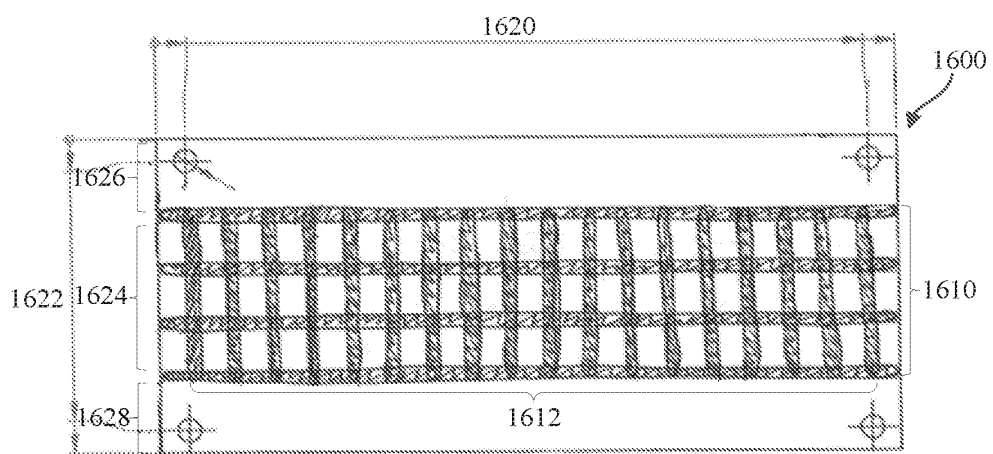


FIG. 16

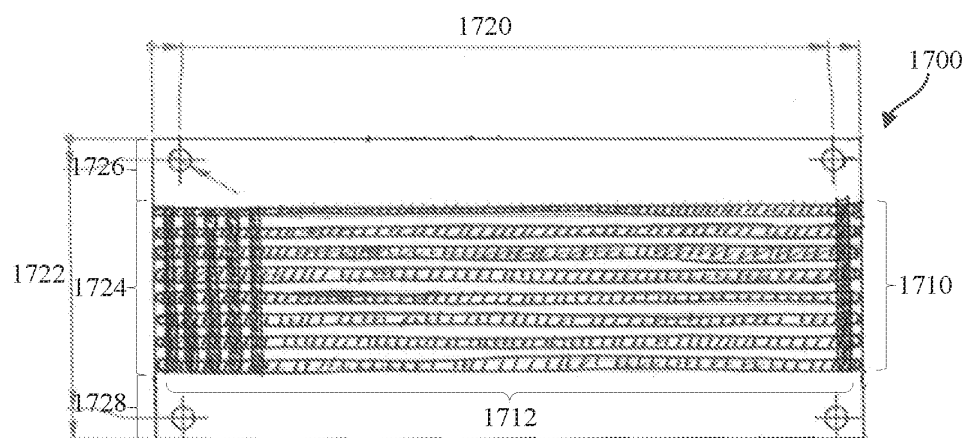


FIG. 17

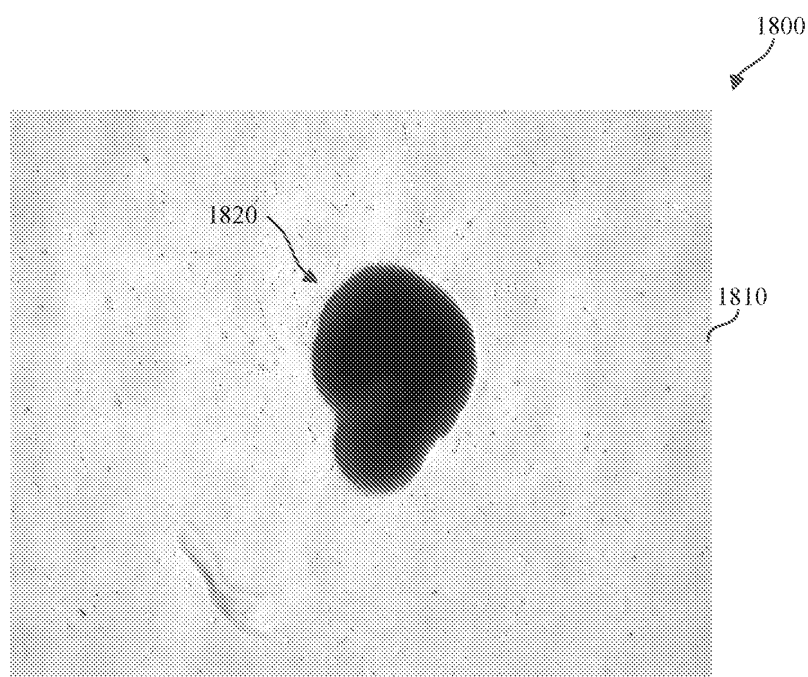


FIG. 18A

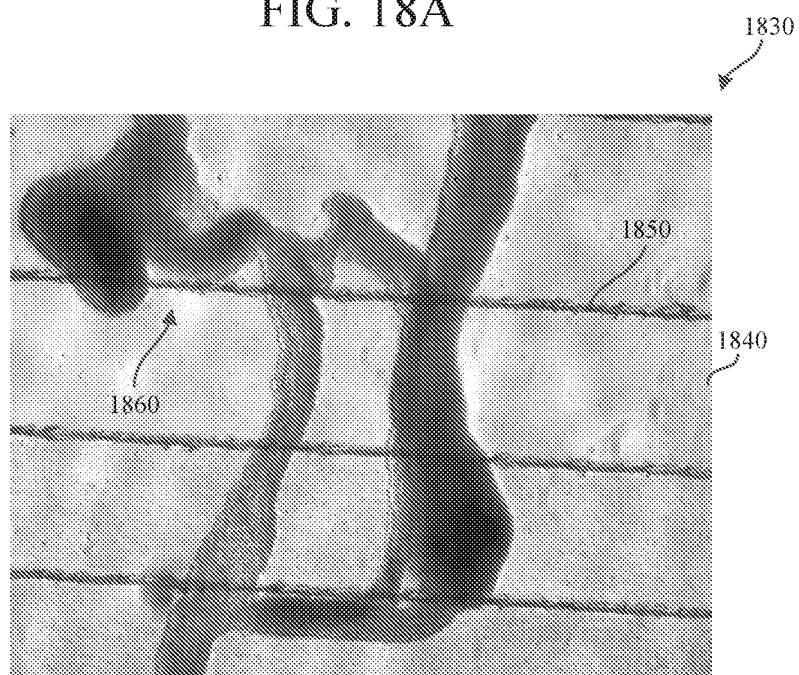


FIG. 18B

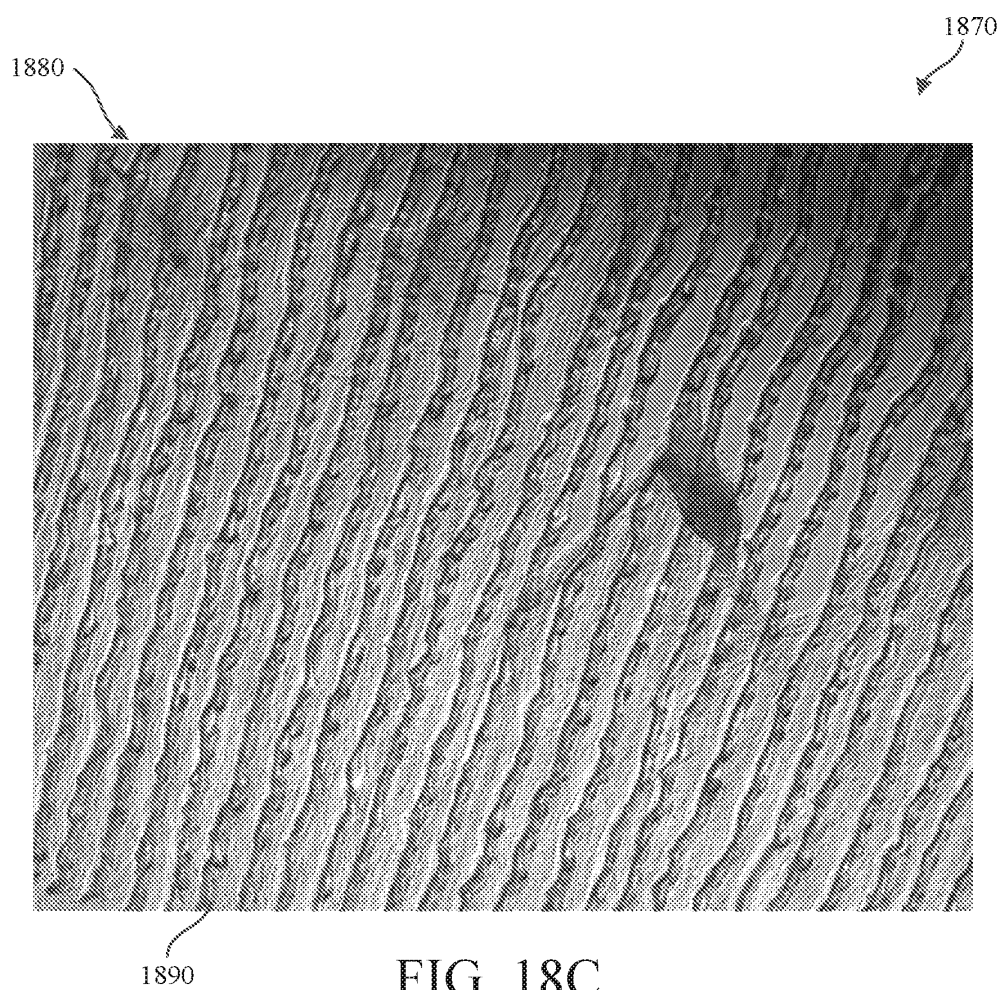


FIG. 18C

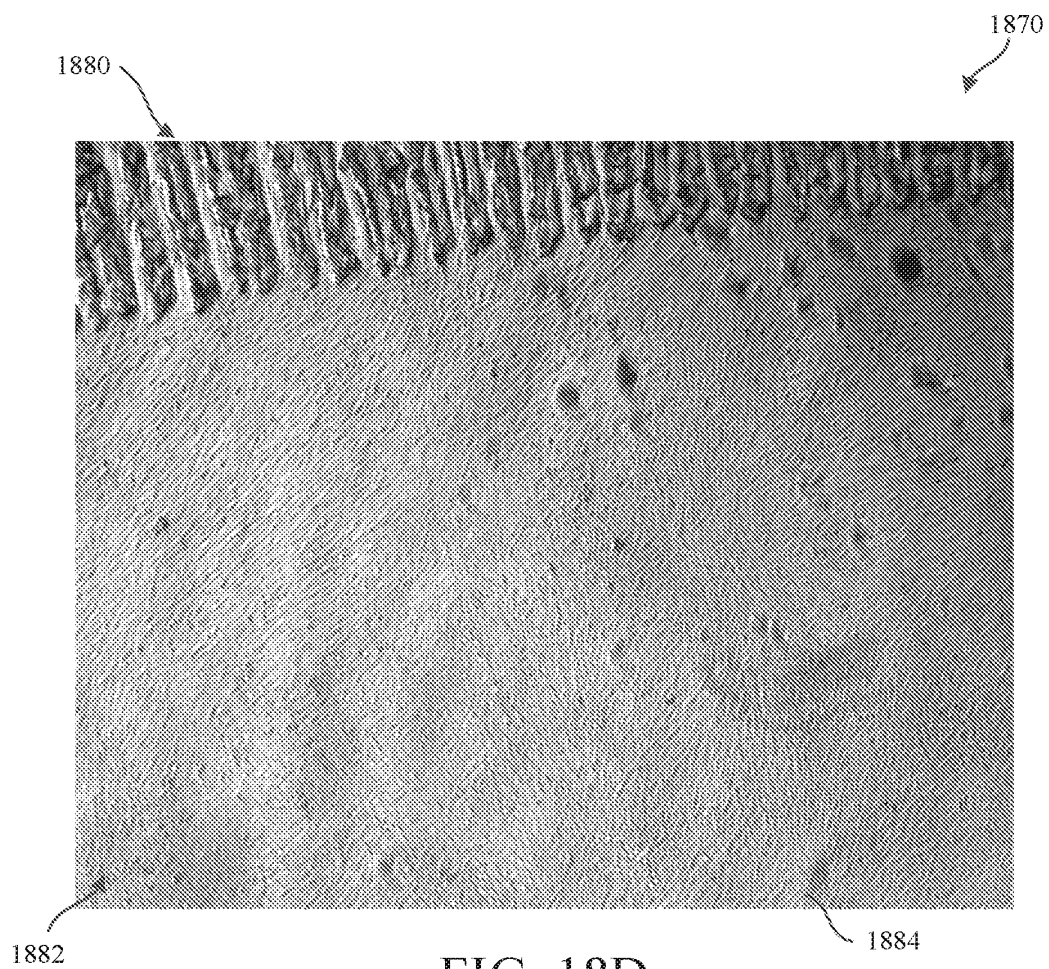


FIG. 18D

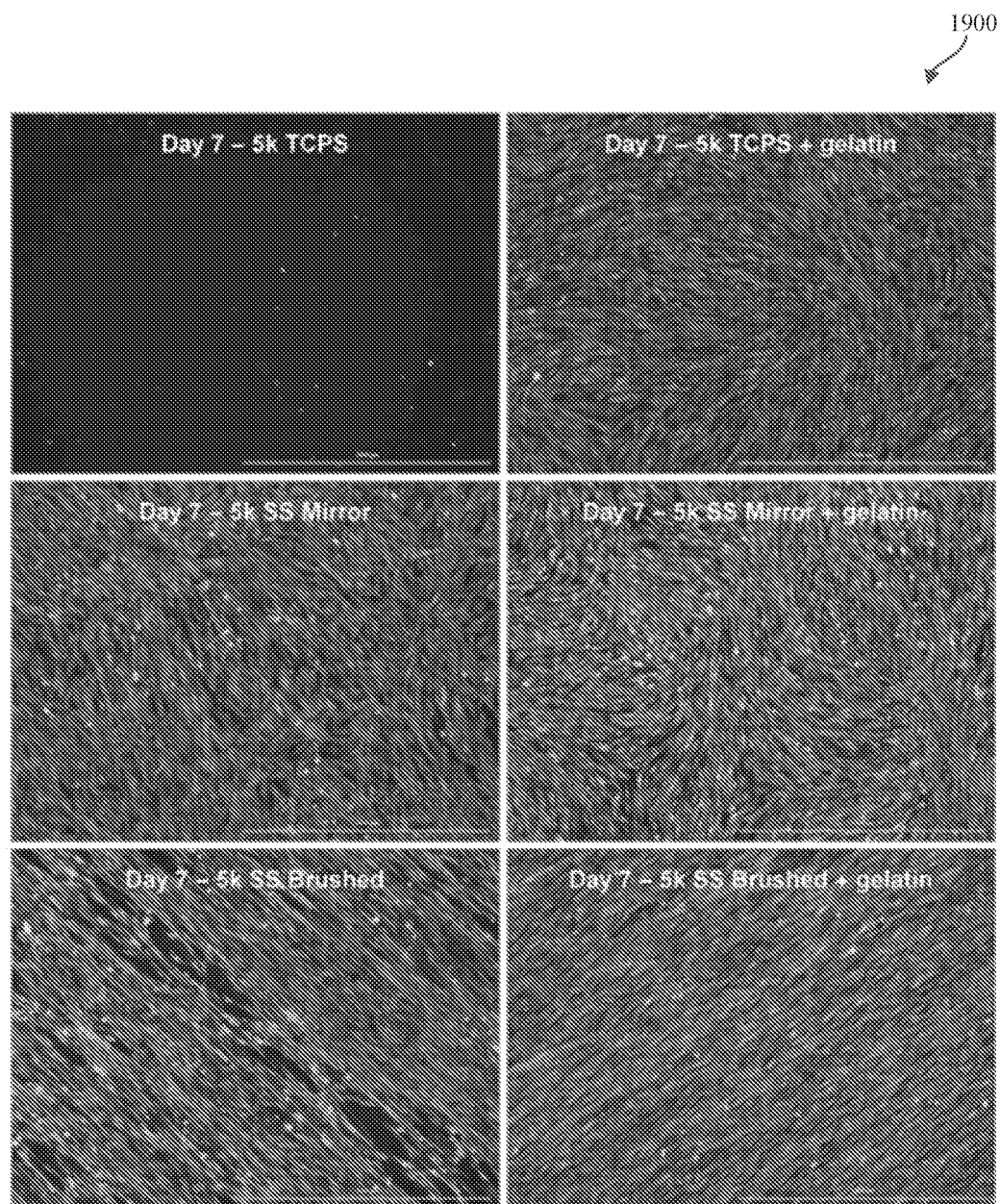


FIG. 19