

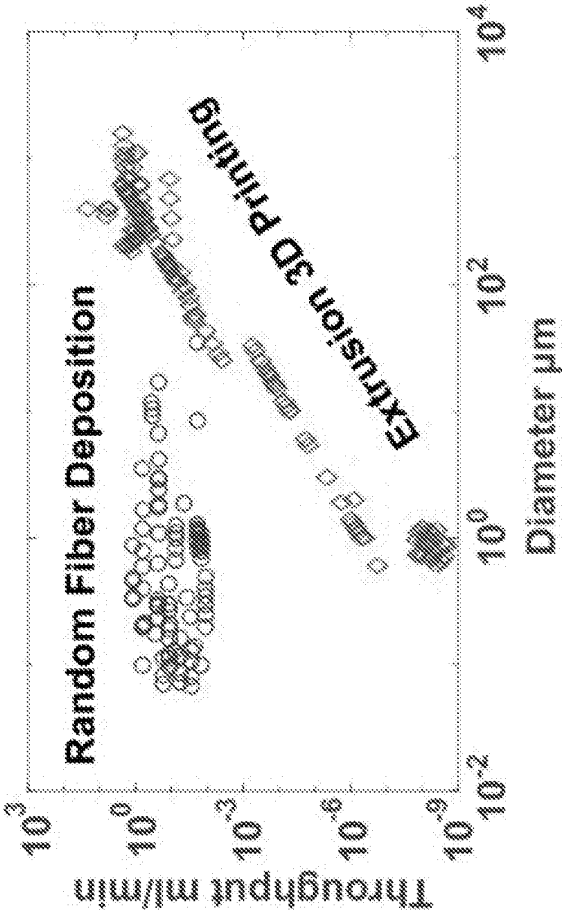


Fig. 1A

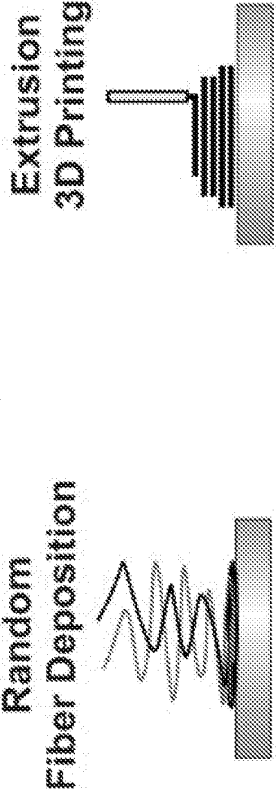


Fig. 1B

Fig. 1C

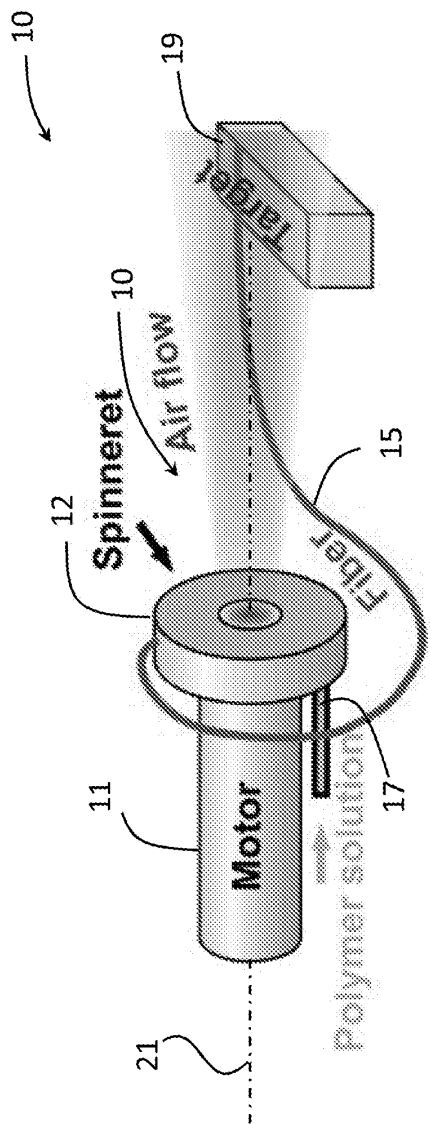


Fig. 2A

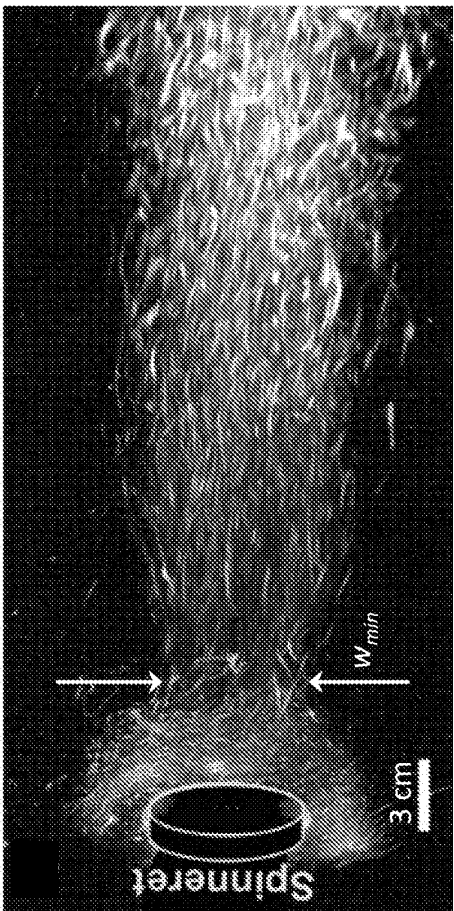


Fig. 2B

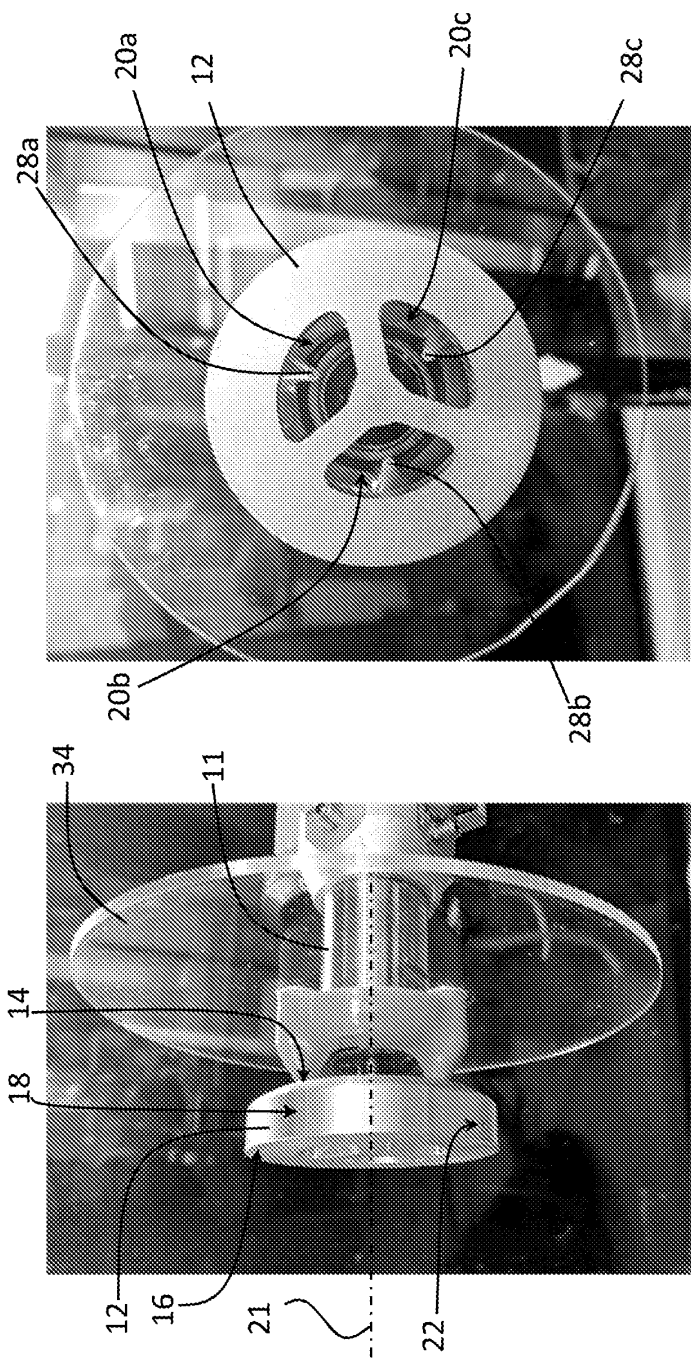


Fig. 3A

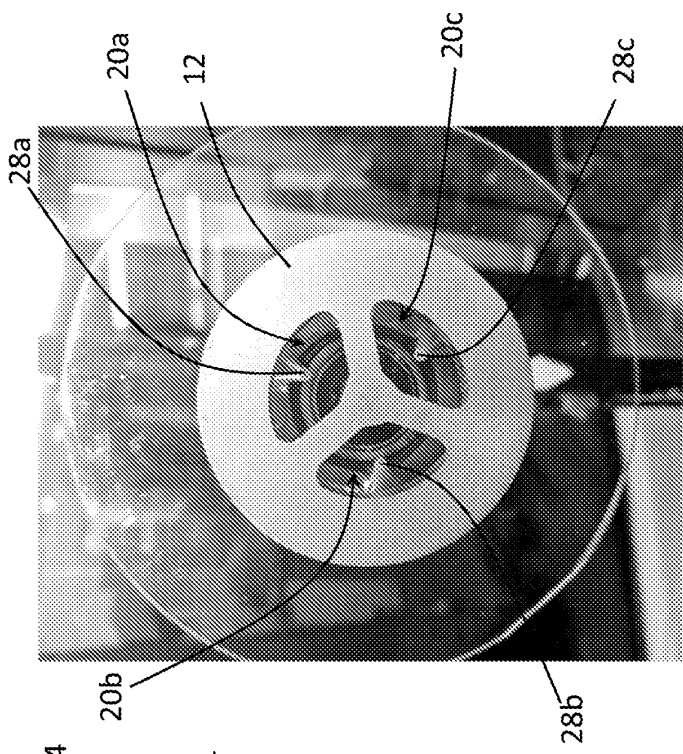


Fig. 3B

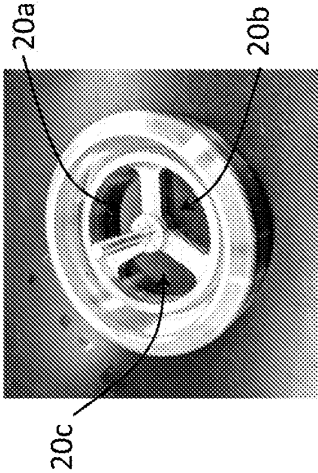


Fig. 3C

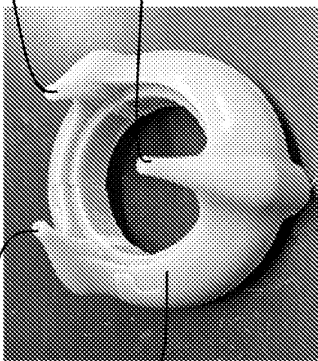


Fig. 3D

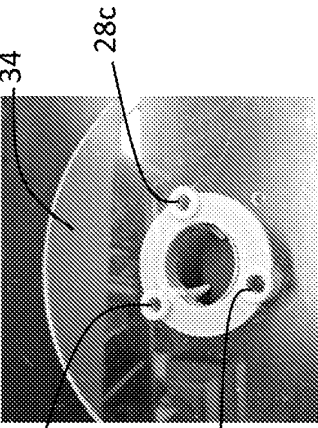
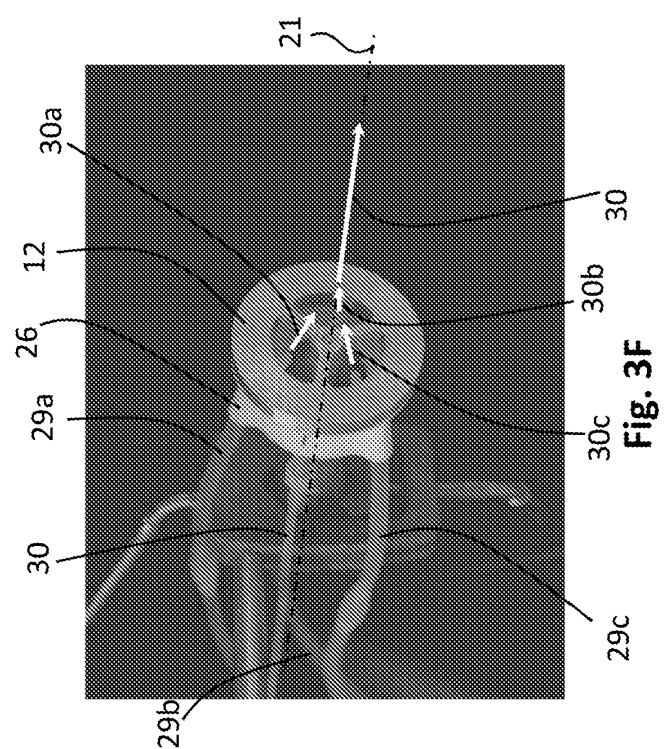
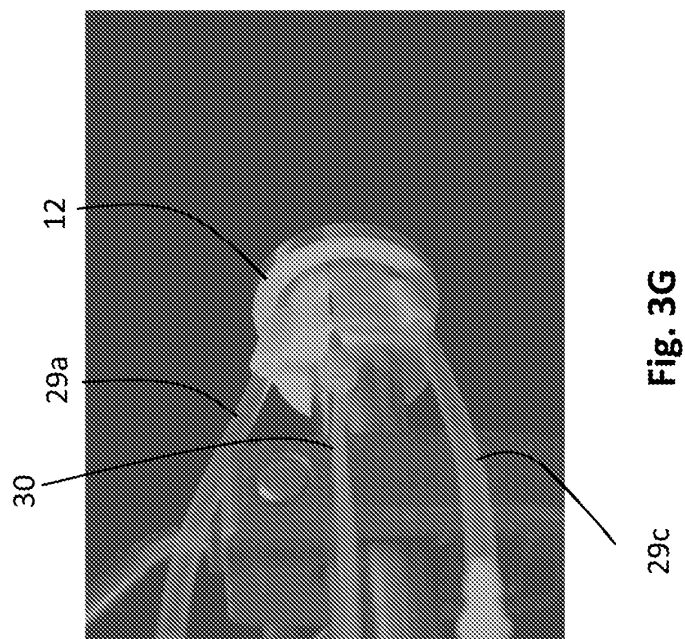
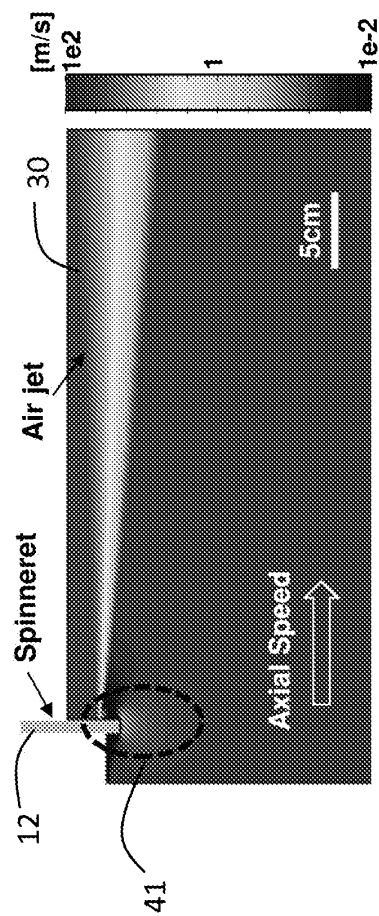


Fig. 3E





COMSOL v2-f turbulence model simulation

Fig. 4A

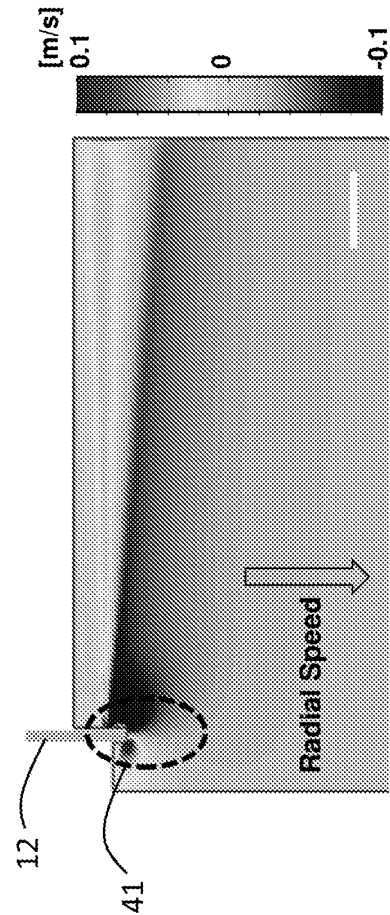


Fig. 4B

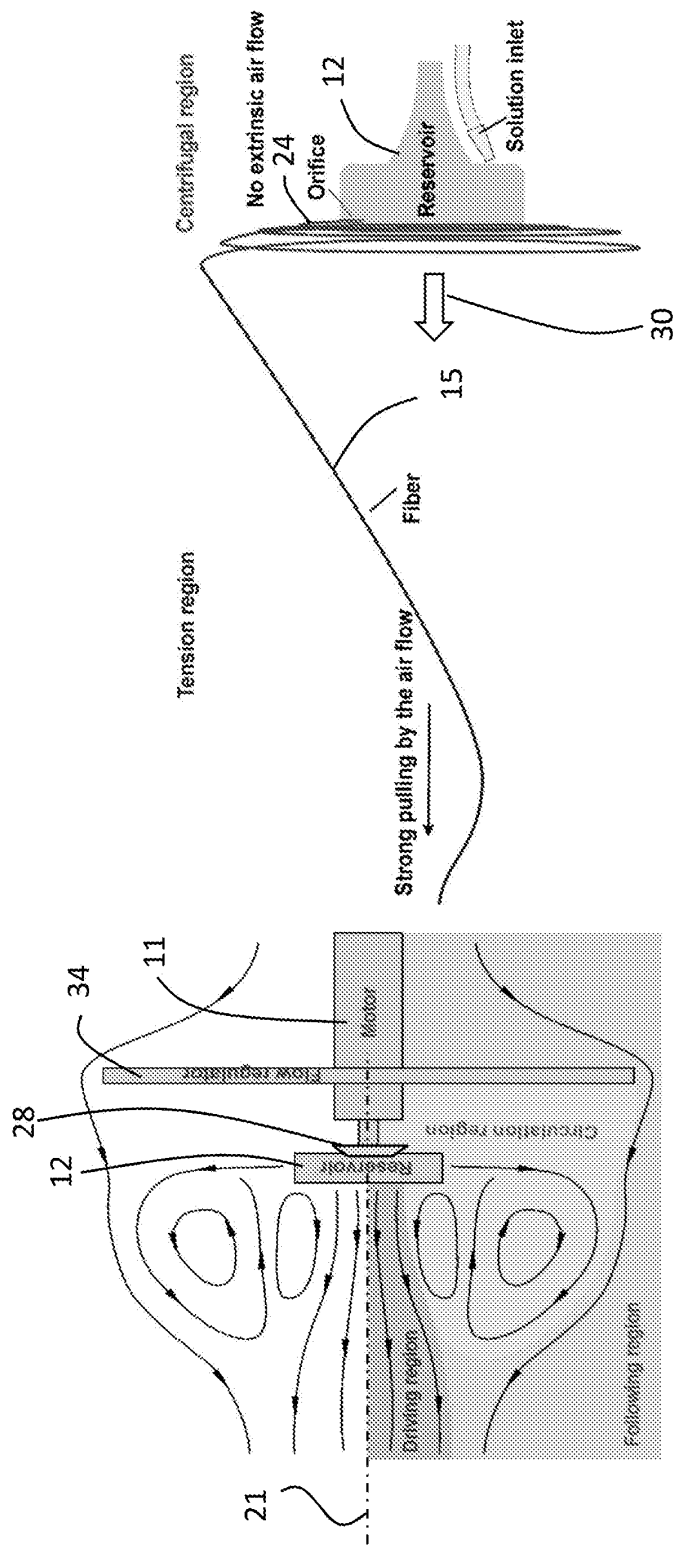


Fig. 5A

Fig. 5B

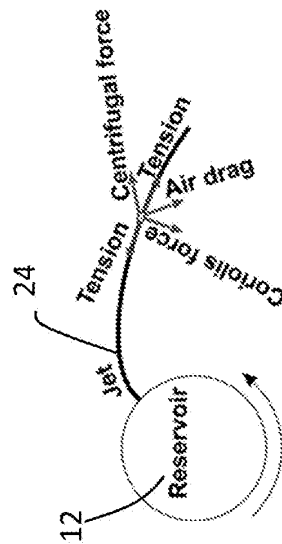


Fig. 5C

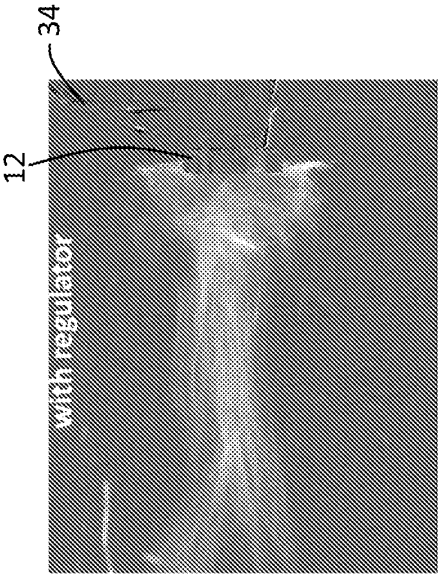


Fig. 7A

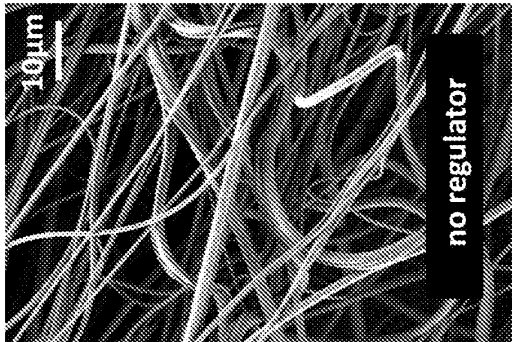


Fig. 6C

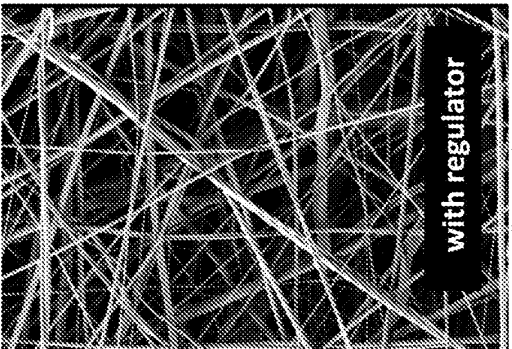


Fig. 7C

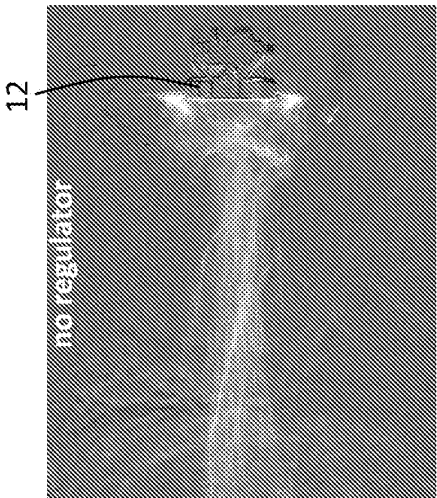


Fig. 6A

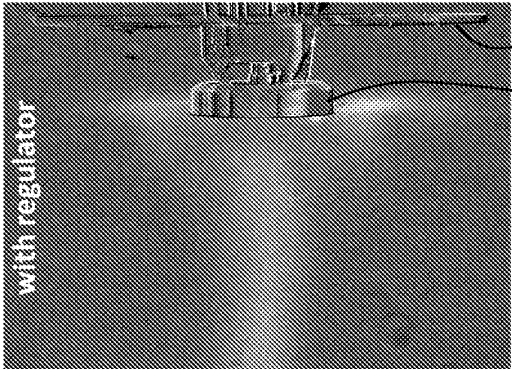


Fig. 7B

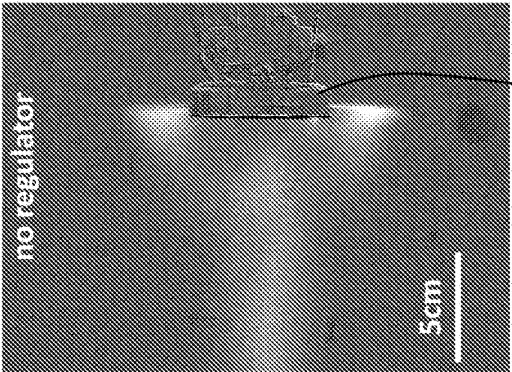
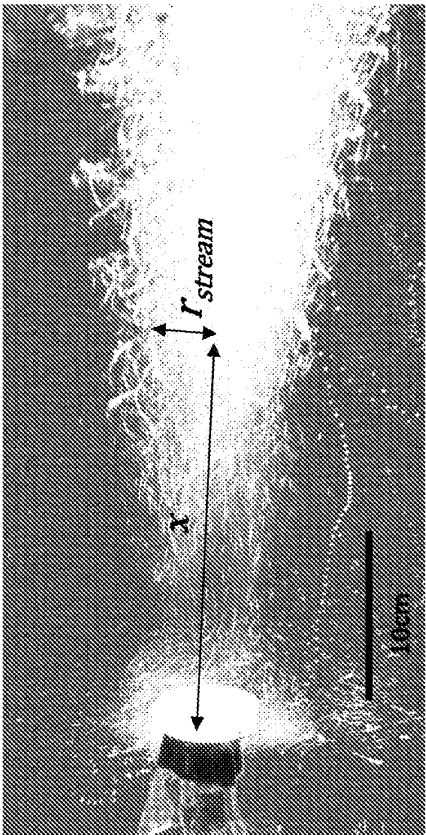


Fig. 6B



1/800s exposure, 1/60s difference, maximum intensity overlay 3600 frames

Fig. 8A

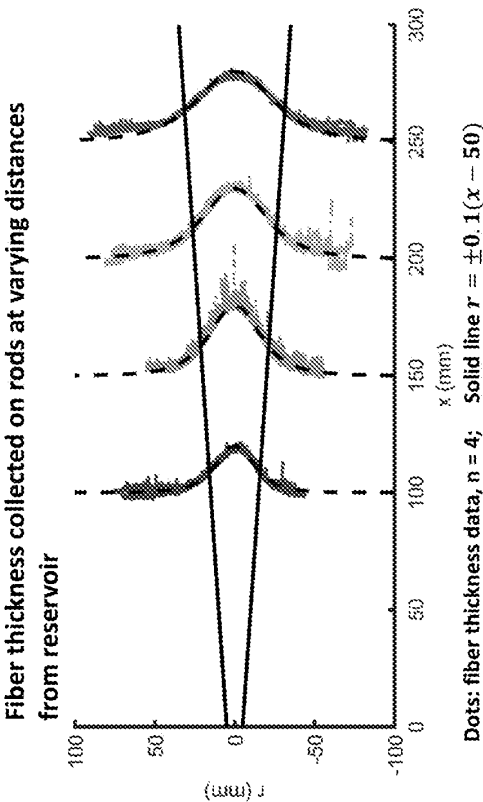


Fig. 8B

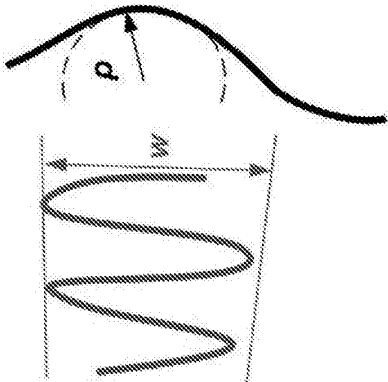


Fig. 9A



Fig. 9B

$w \sim p, w > p$

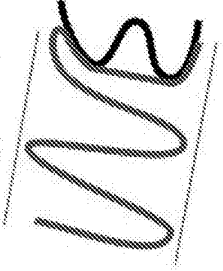


Fig. 9C

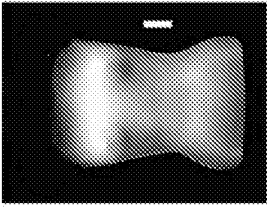


Fig. 9D

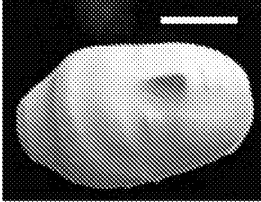


Fig. 9E

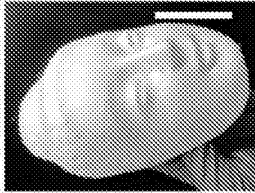


Fig. 9F

Fig. 10C

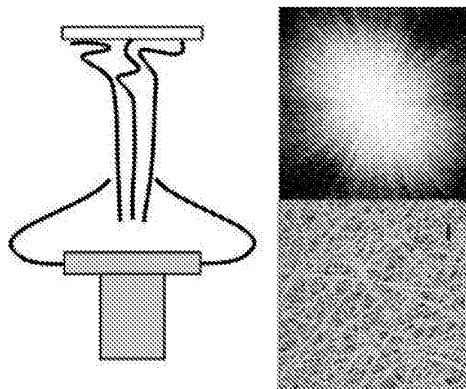


Fig. 10B

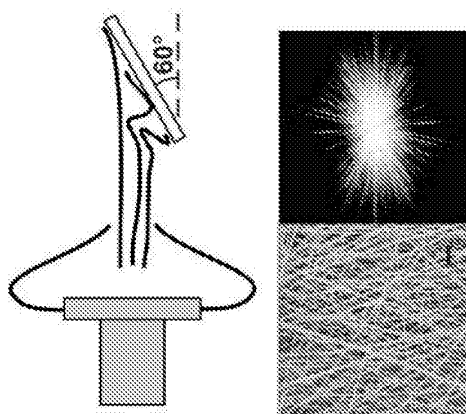
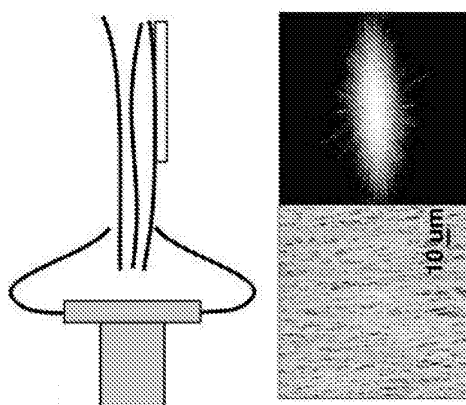


Fig. 10A



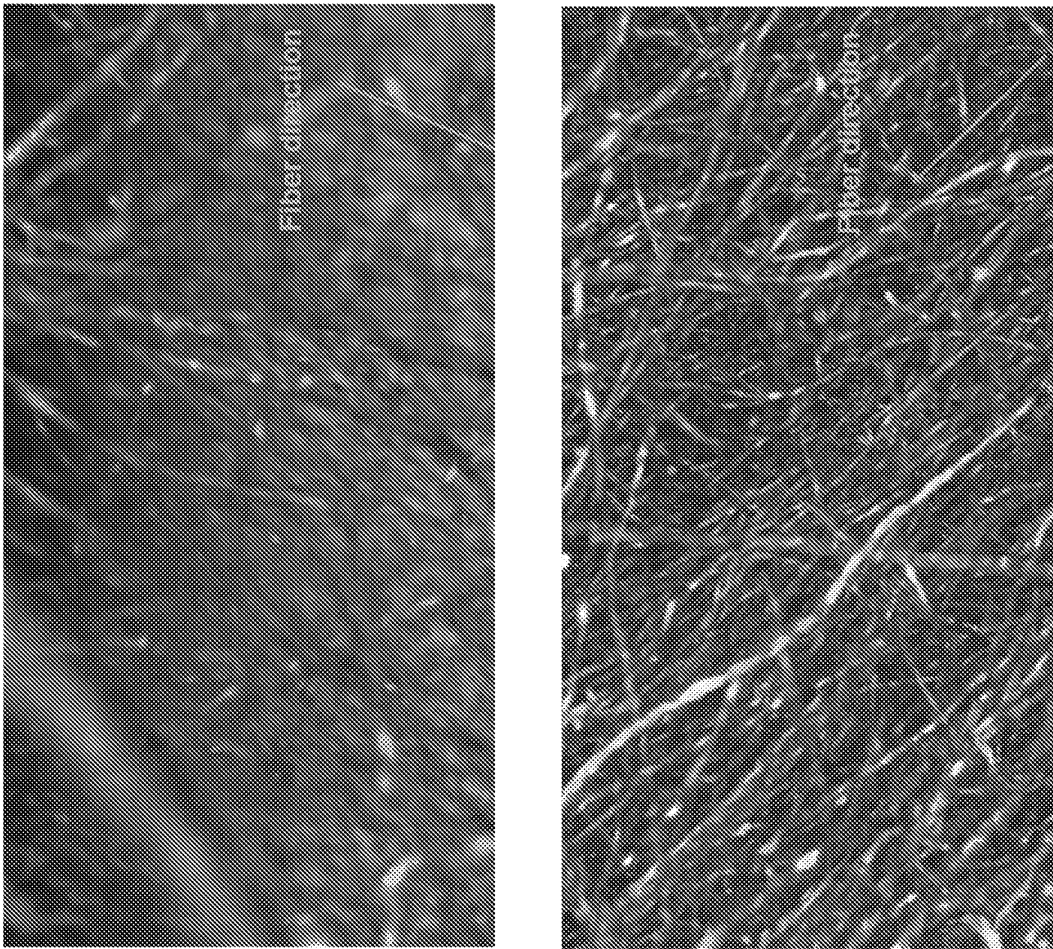


Fig. 10D

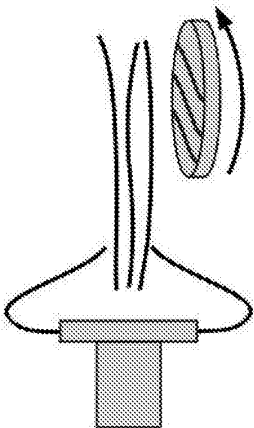
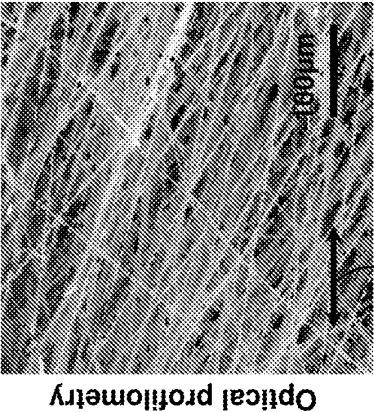
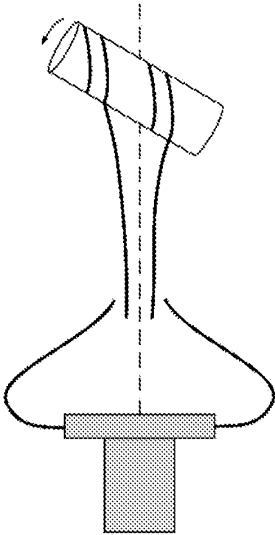


Fig. 10E

Slow spinning = large helical angle



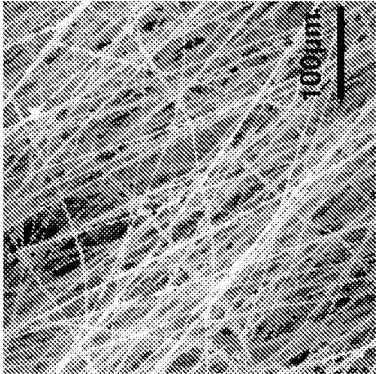
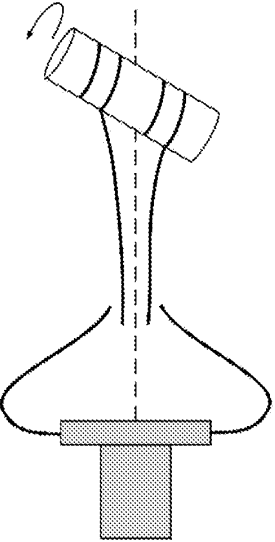
1000 RPM

Collected on 1cm diameter cylinder
30 incidence angle

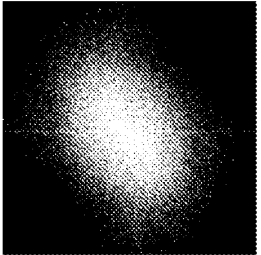


Fig. 10F

Fast spinning = small helical angle



10,000 RPM



Axis of Cylinder

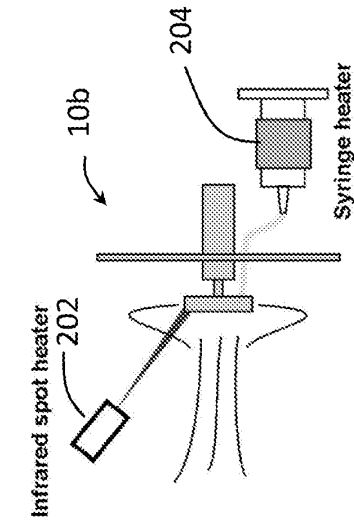


Fig. 11A

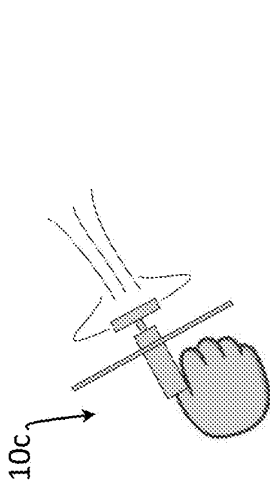


Fig. 11B

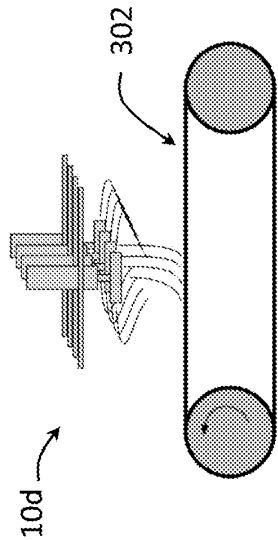


Fig. 11C

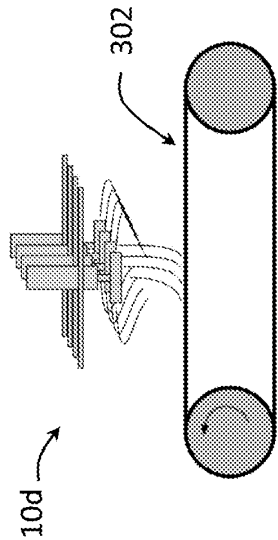
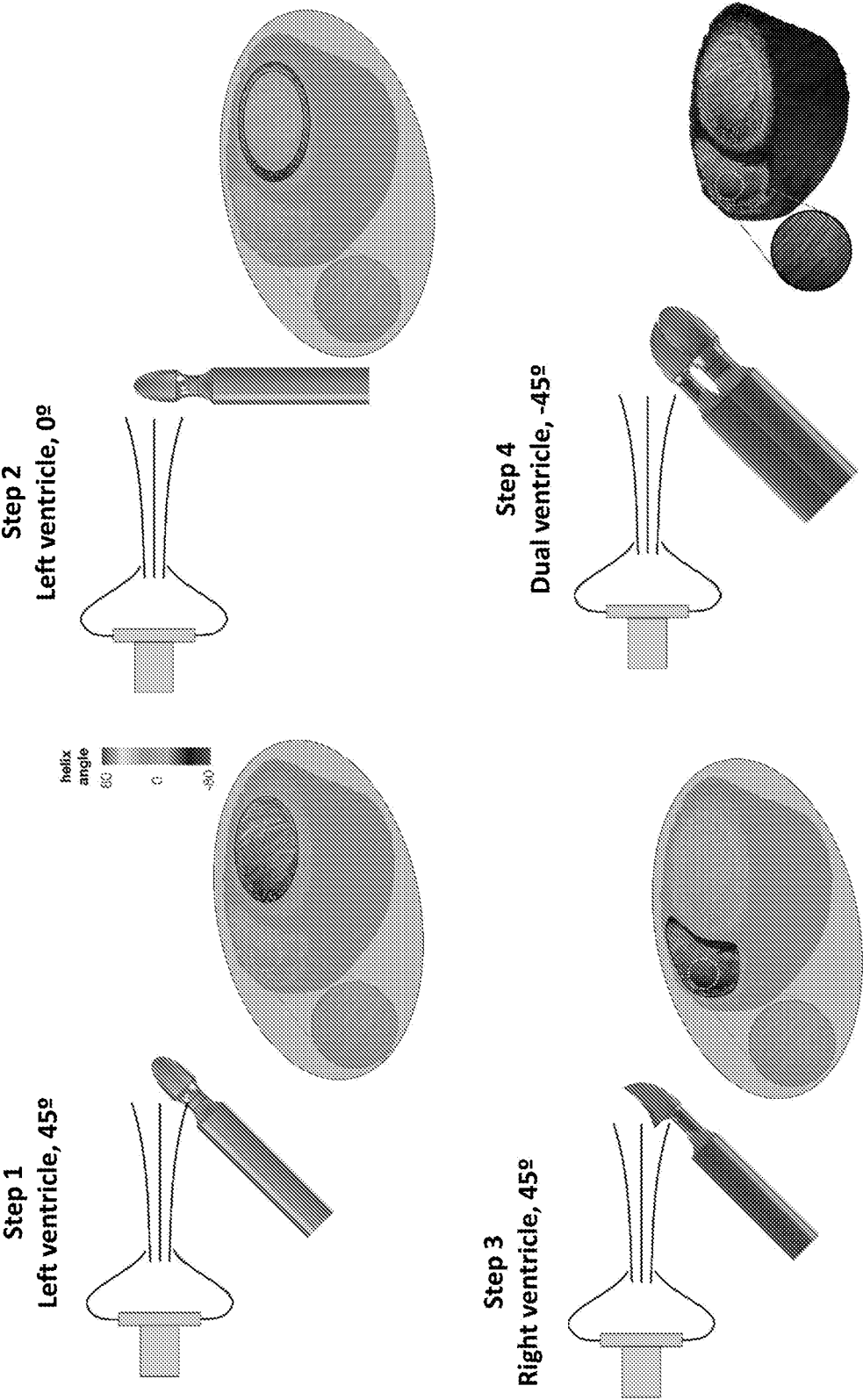


Fig. 11D

Fig. 12A



Combine ventricles before
final spinning

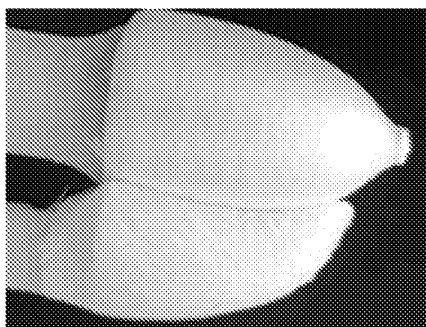


Fig. 12B

After final spinning

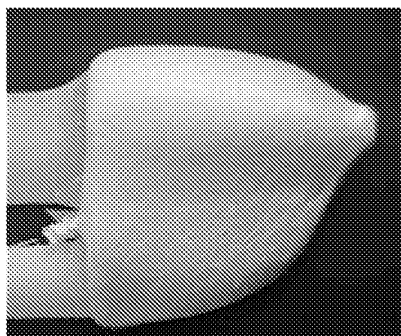


Fig. 12C

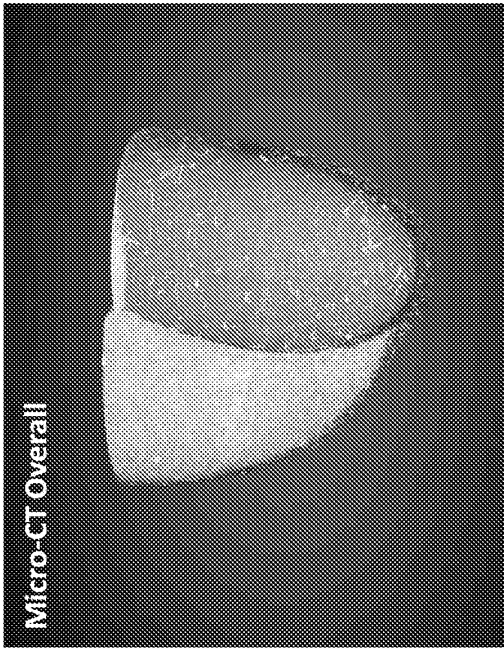


Fig. 12D

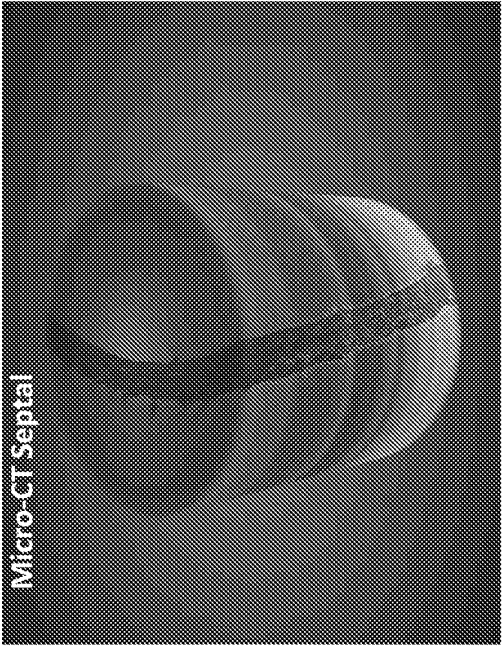


Fig. 12E

Zoom-in Septal

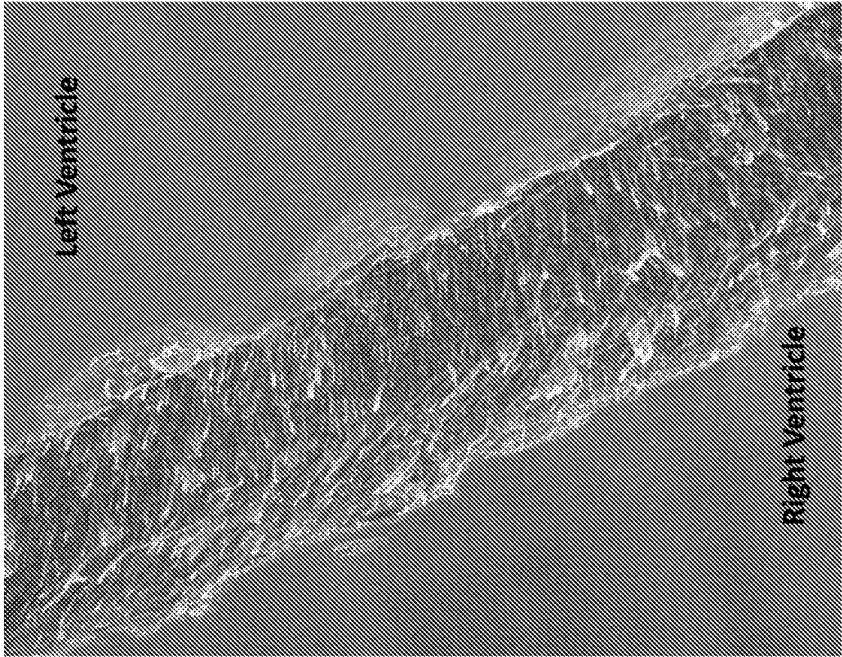


Fig. 12F