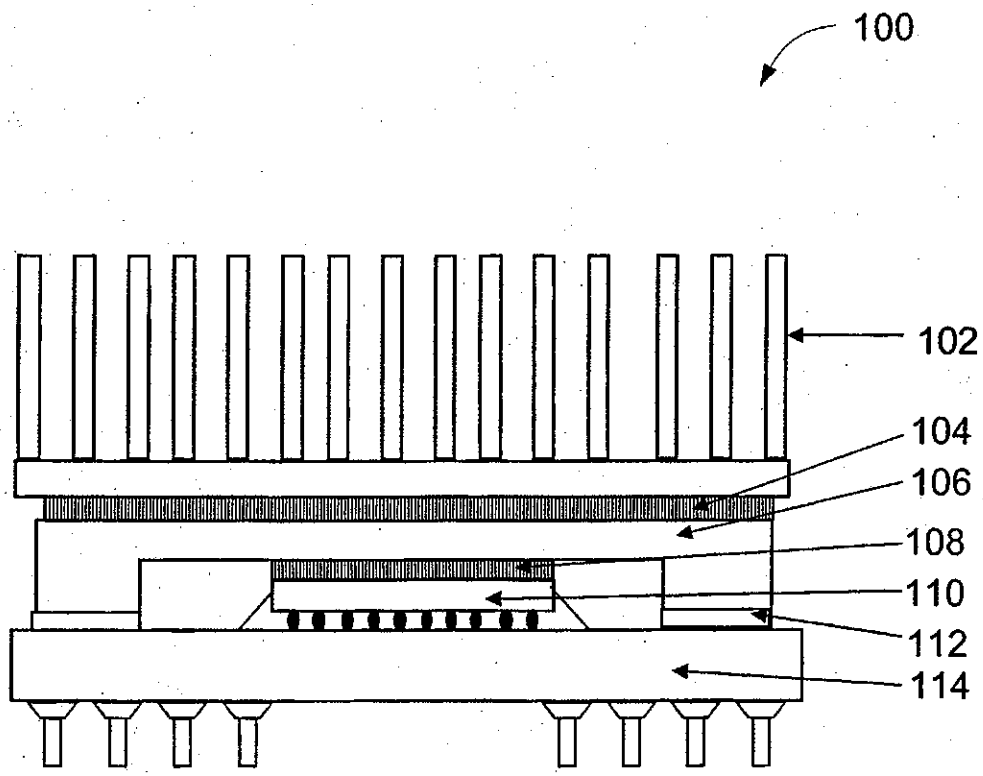


Fig. 1
(Prior Art)

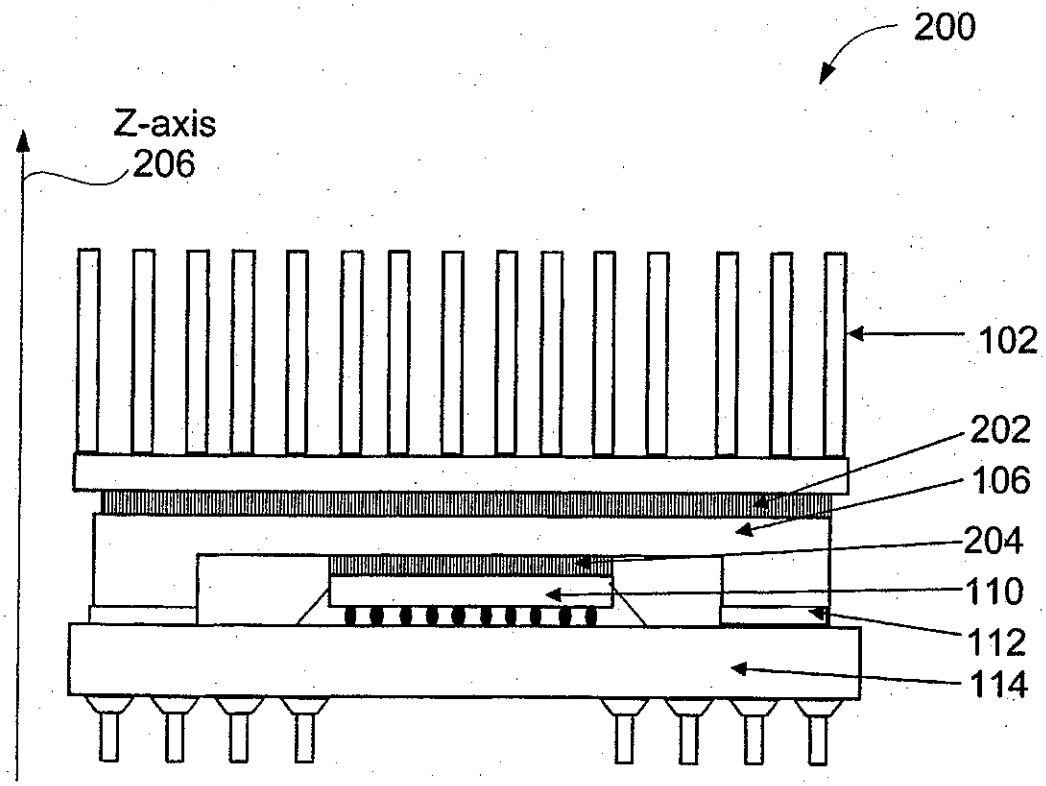


Fig. 2

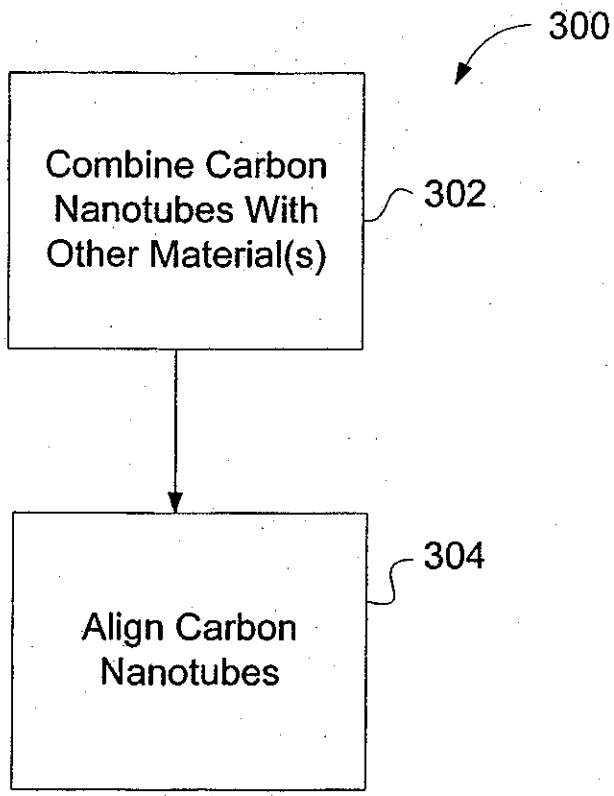

300
Combine Carbon Nanotubes With Other Material(s)
302
Align Carbon Nanotubes
304

Fig. 3a

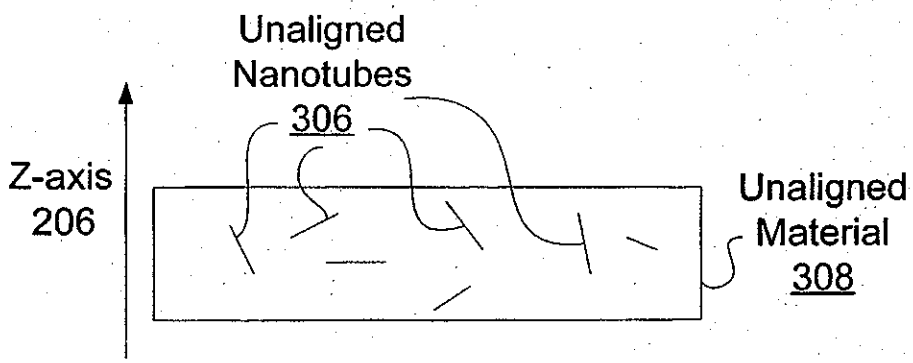

Unaligned
Nanotubes
306
Z-axis
206
Unaligned
Material
308

Fig. 3b

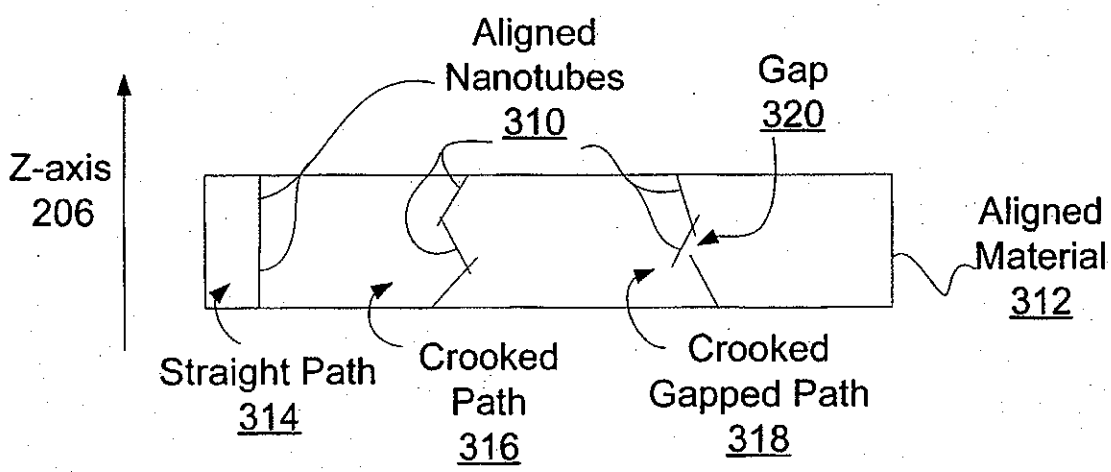

Aligned
Nanotubes
310
Gap
320
Z-axis
206
Aligned
Material
312
Straight Path
314
Crooked
Path
316
Crooked
Gapped Path
318

Fig. 3c

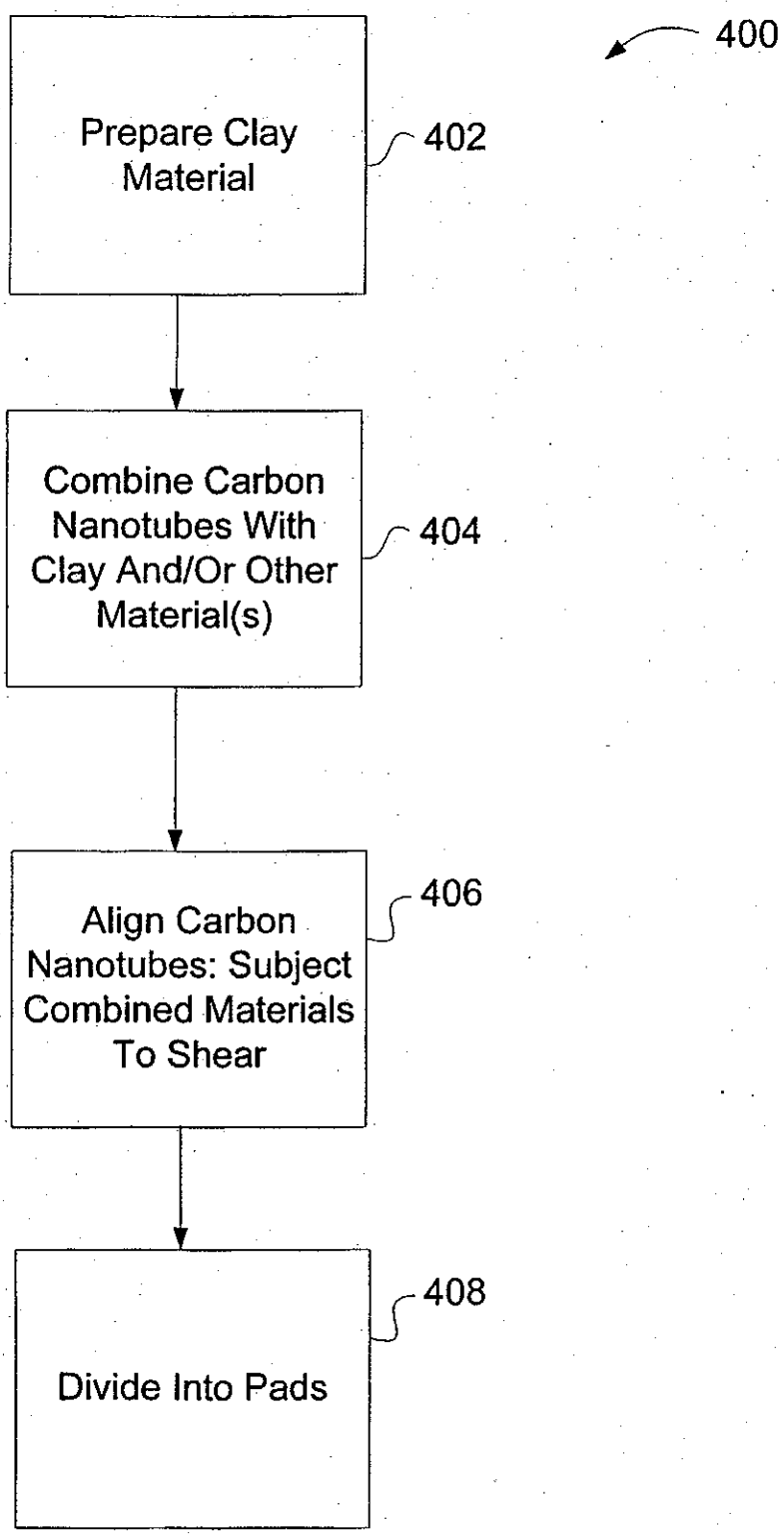

400
Prepare Clay Material
402
Combine Carbon Nanotubes With Clay And/Or Other Material(s)
404
Align Carbon Nanotubes: Subject Combined Materials To Shear
406
Divide Into Pads
408

Fig. 4

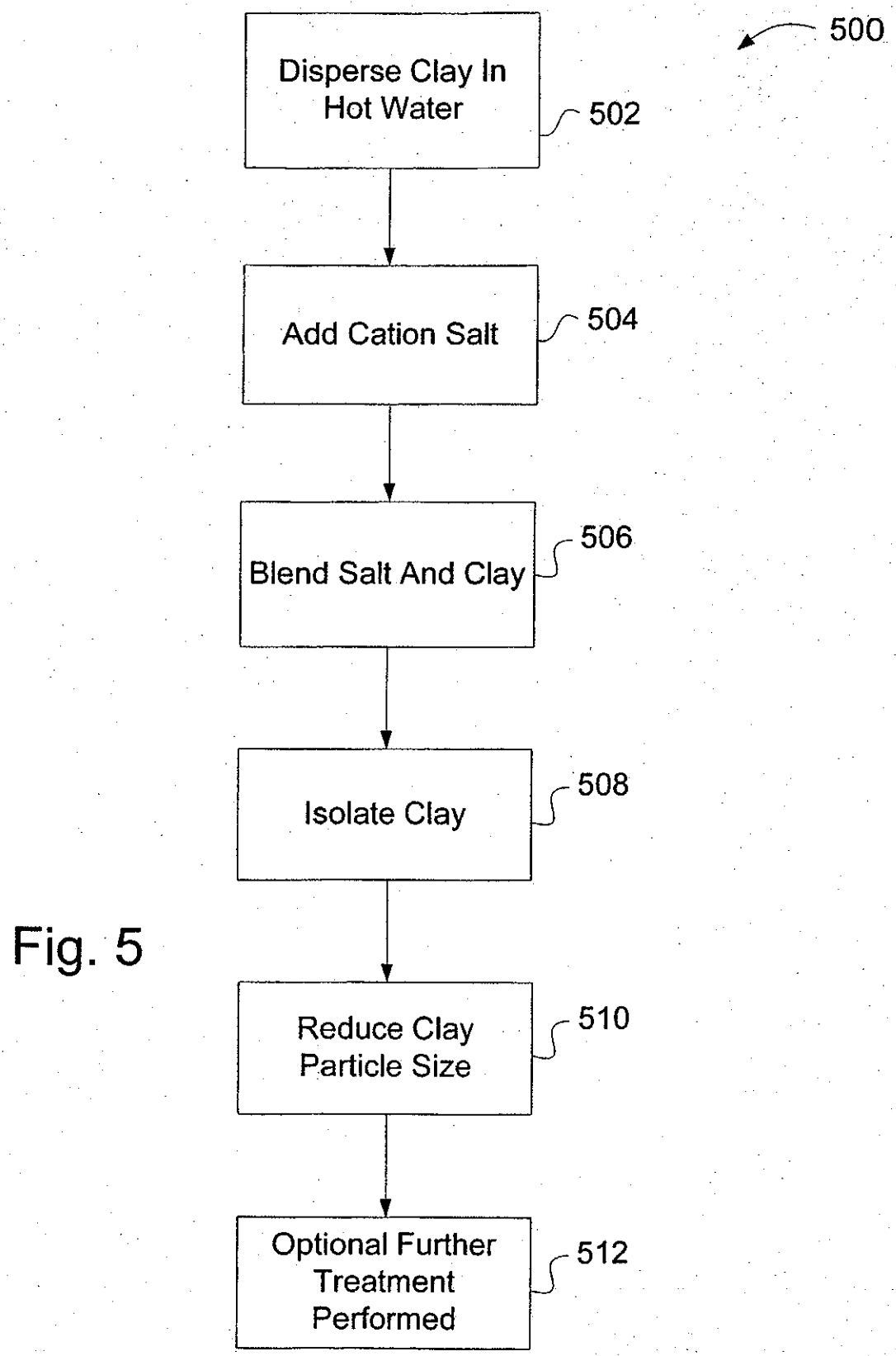

500
Disperse Clay In Hot Water
502
Add Cation Salt
504
Blend Salt And Clay
506
Isolate Clay
508
Reduce Clay Particle Size
510
Optional Further Treatment Performed
512

Fig. 5

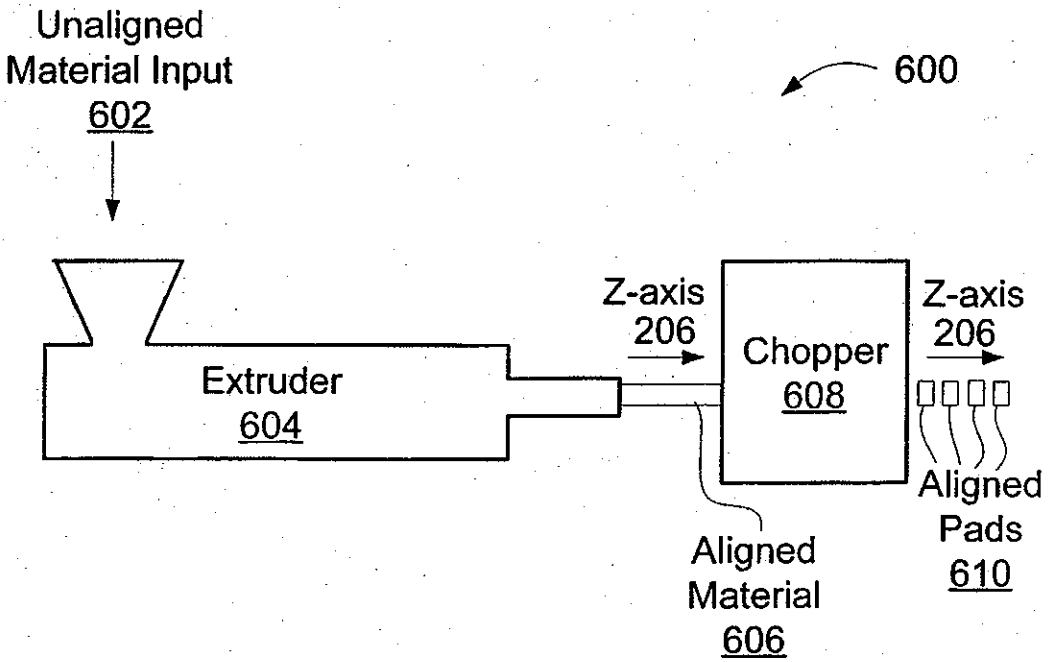

Unaligned
Material Input
602
600
Extruder
604
Z-axis
206
Chopper
608
Z-axis
206
Aligned
Pads
610
Aligned
Material
606

Fig. 6

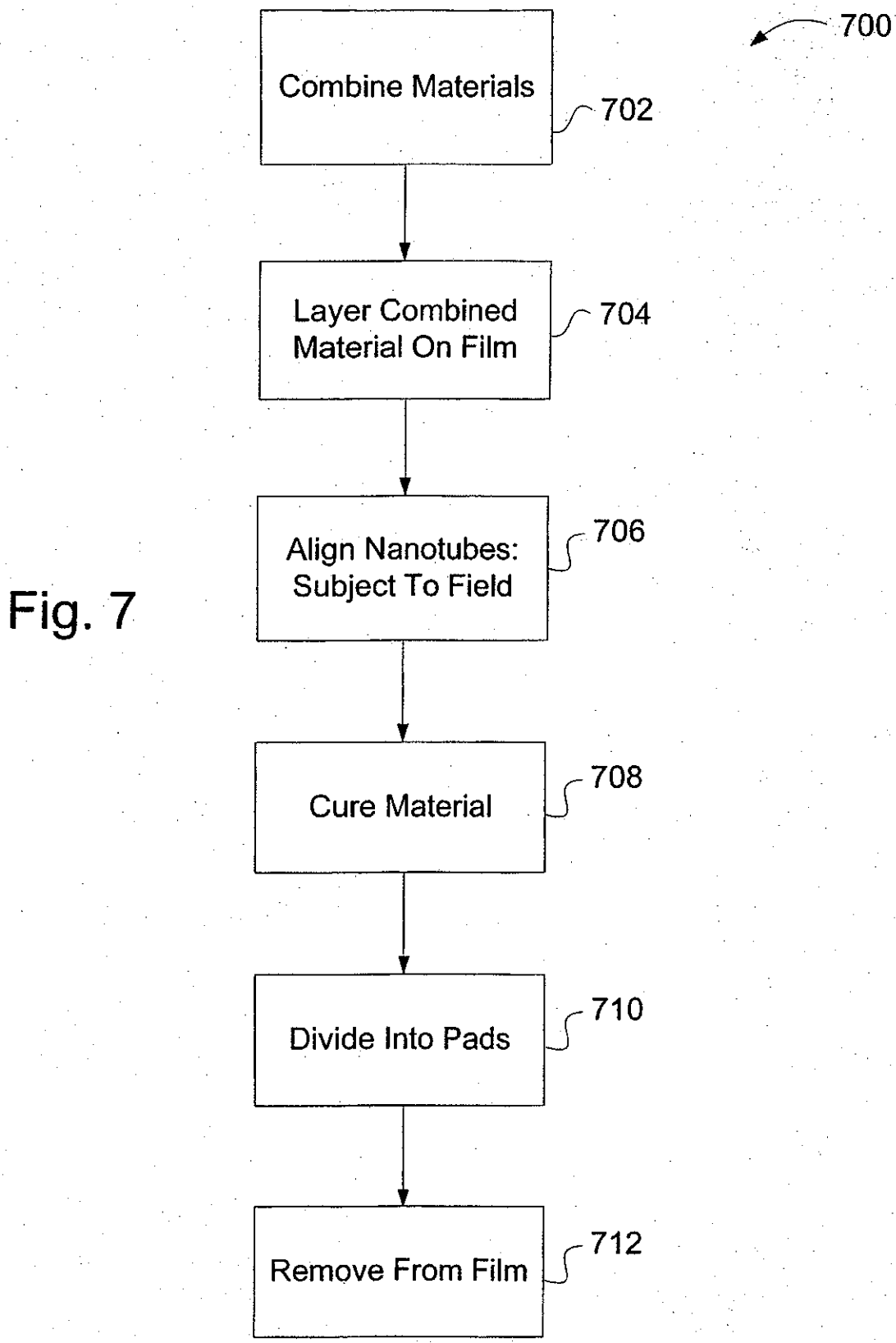

700
Combine Materials
702
Layer Combined Material On Film
704
Align Nanotubes: Subject To Field
706
Cure Material
708
Divide Into Pads
710
Remove From Film
712

Fig. 7

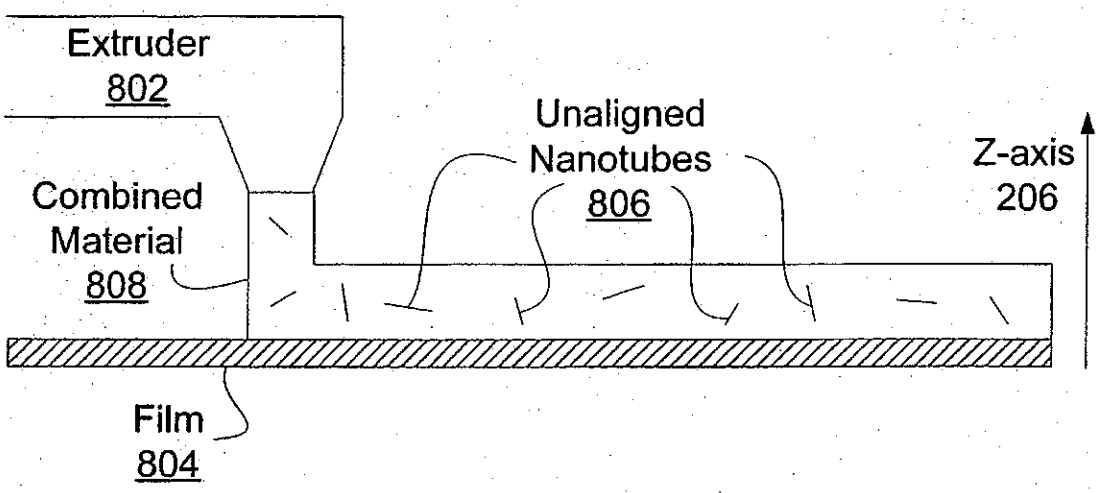

Extruder
802
Unaligned
Nanotubes
806
Z-axis
206
Combined
Material
808
Film
804

Fig. 8a

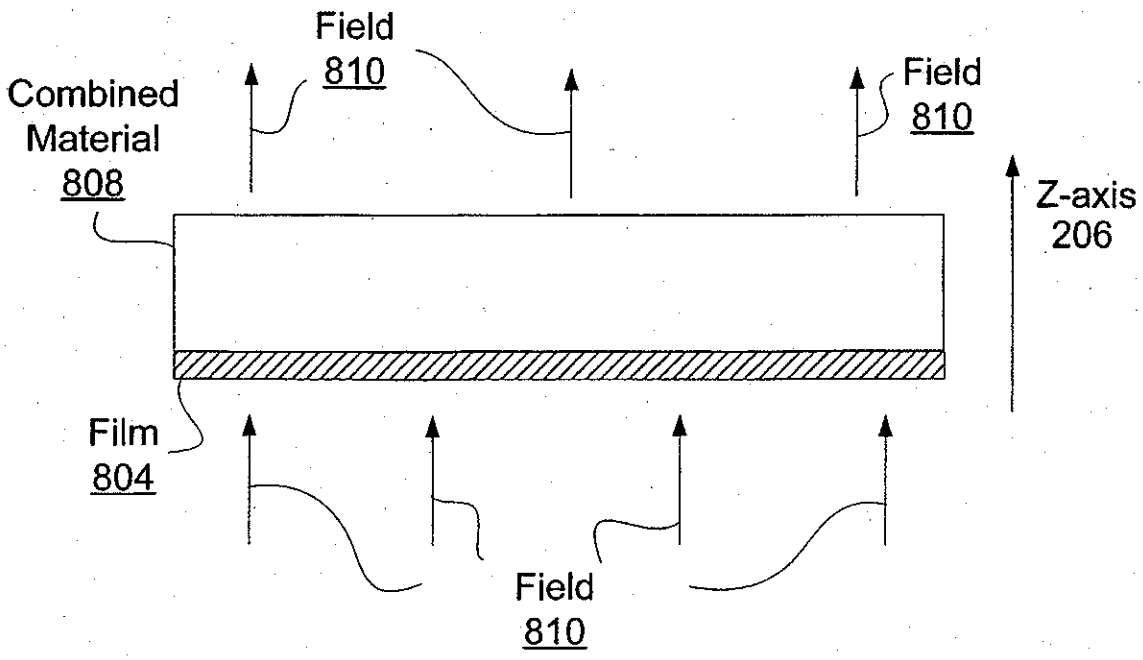

Field
810
Field
810
Combined
Material
808
Z-axis
206
Film
804
Field
810

Fig. 8b