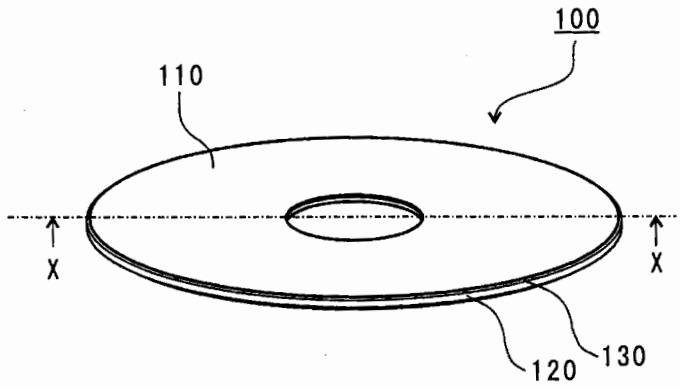
(a)



(b)

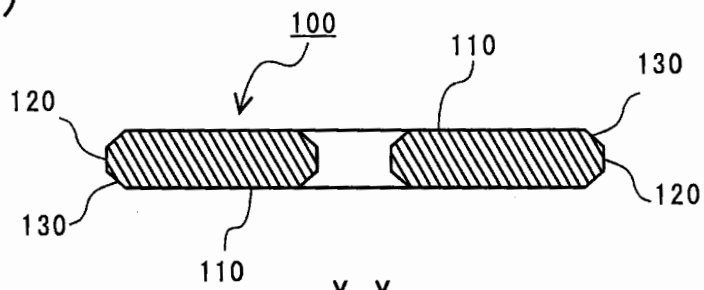
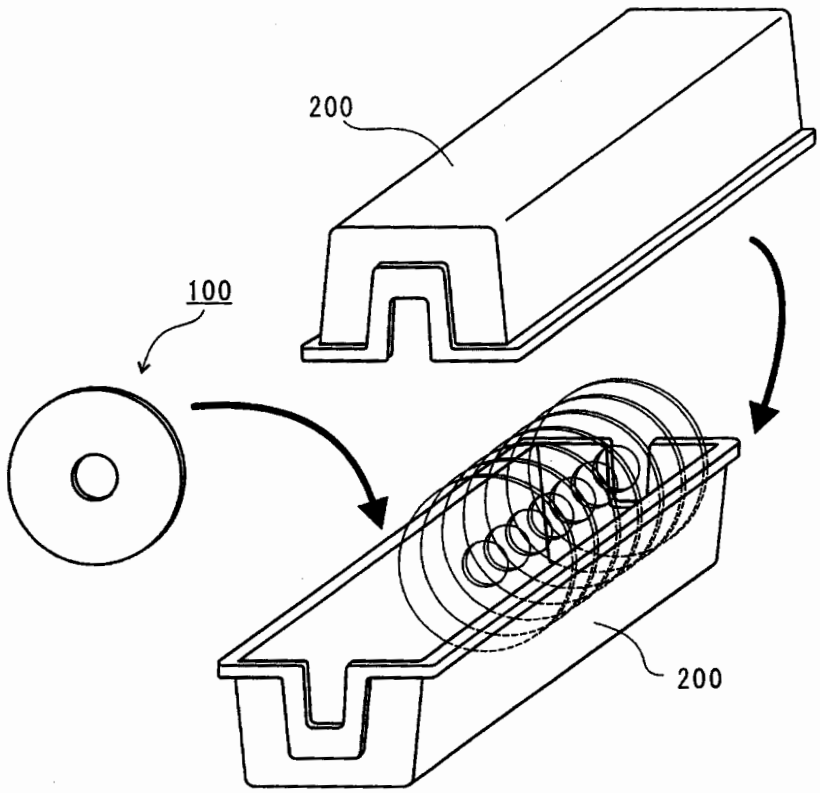


FIG. 1

(a)



(b)

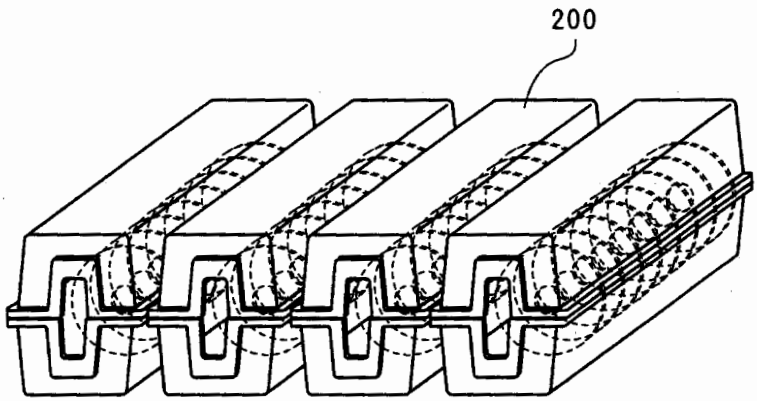
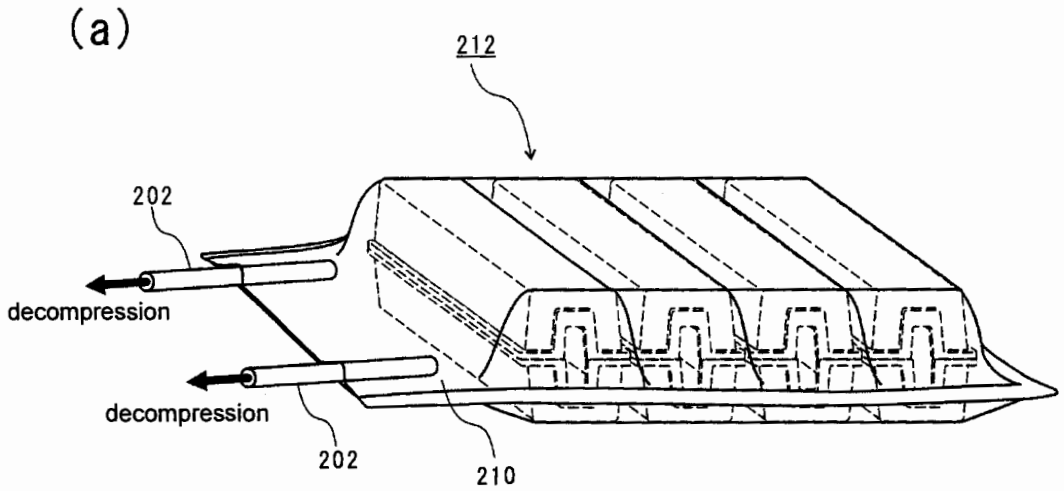


FIG. 2


(a)
212
202
decompression
decompression
202
210

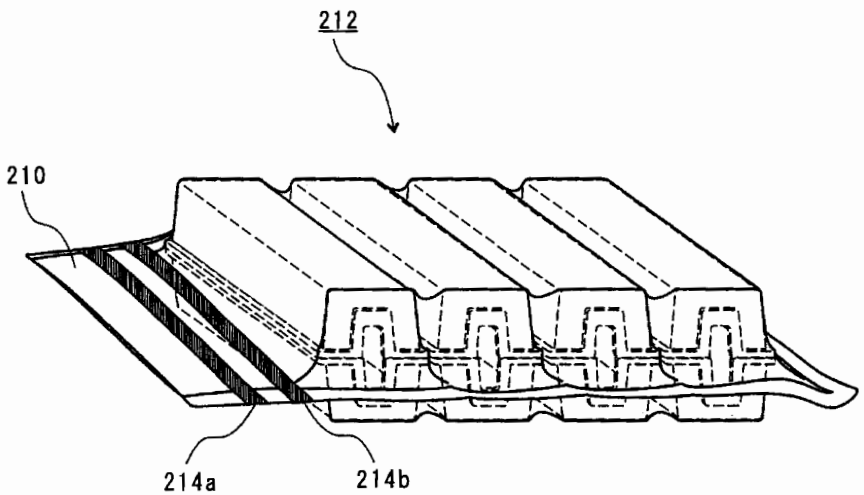
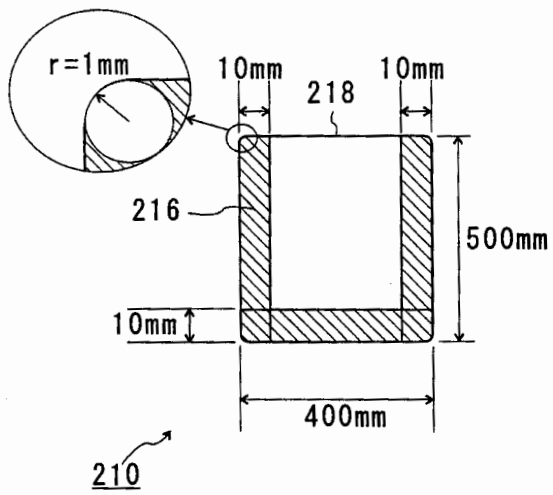

(b)
212
210
214a
214b

FIG. 3

(a)


r=1mm
10mm
10mm
218
216
500mm
10mm
400mm
210

(b)

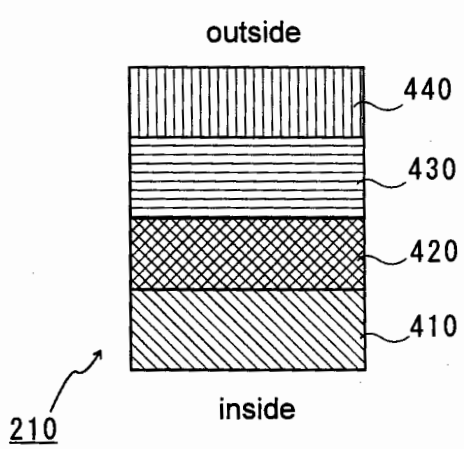

outside
440
430
420
410
210
inside

FIG. 4

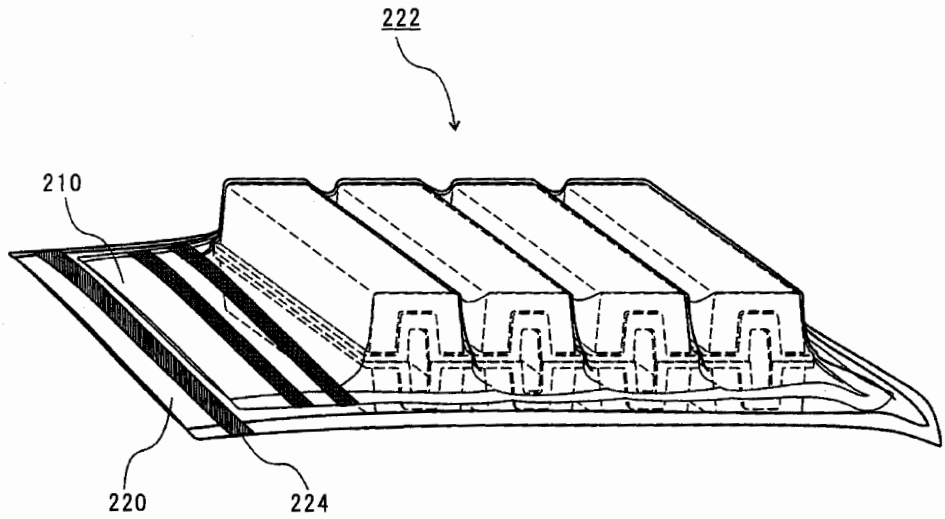


FIG. 5

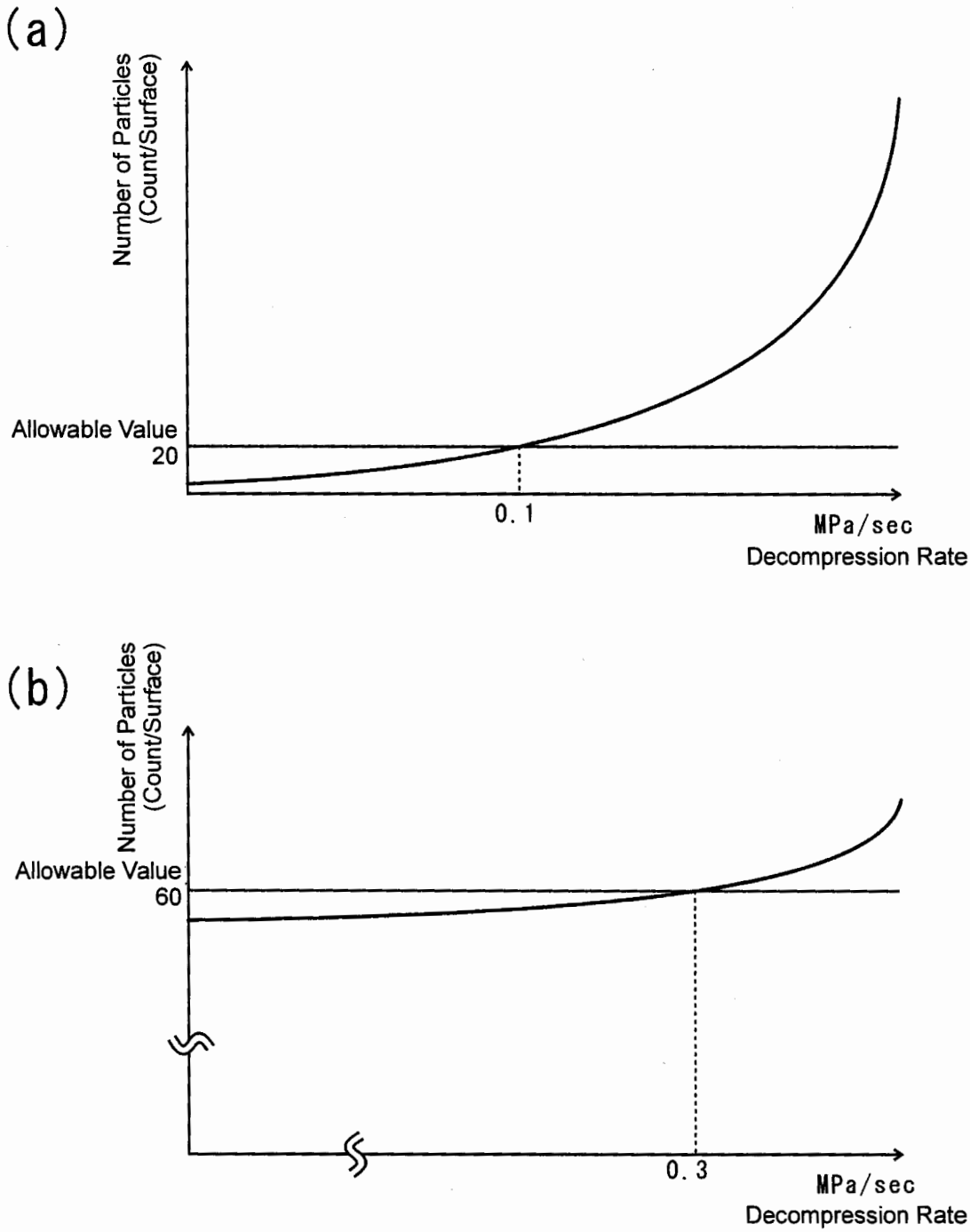

(a)
Number of Particles
(Count/Surface)
Allowable Value
20
0.1
MPa/sec
Decompression Rate
(b)
Number of Particles
(Count/Surface)
Allowable Value
60
0.3
MPa/sec
Decompression Rate

FIG. 6