~~47~~

Fig.1

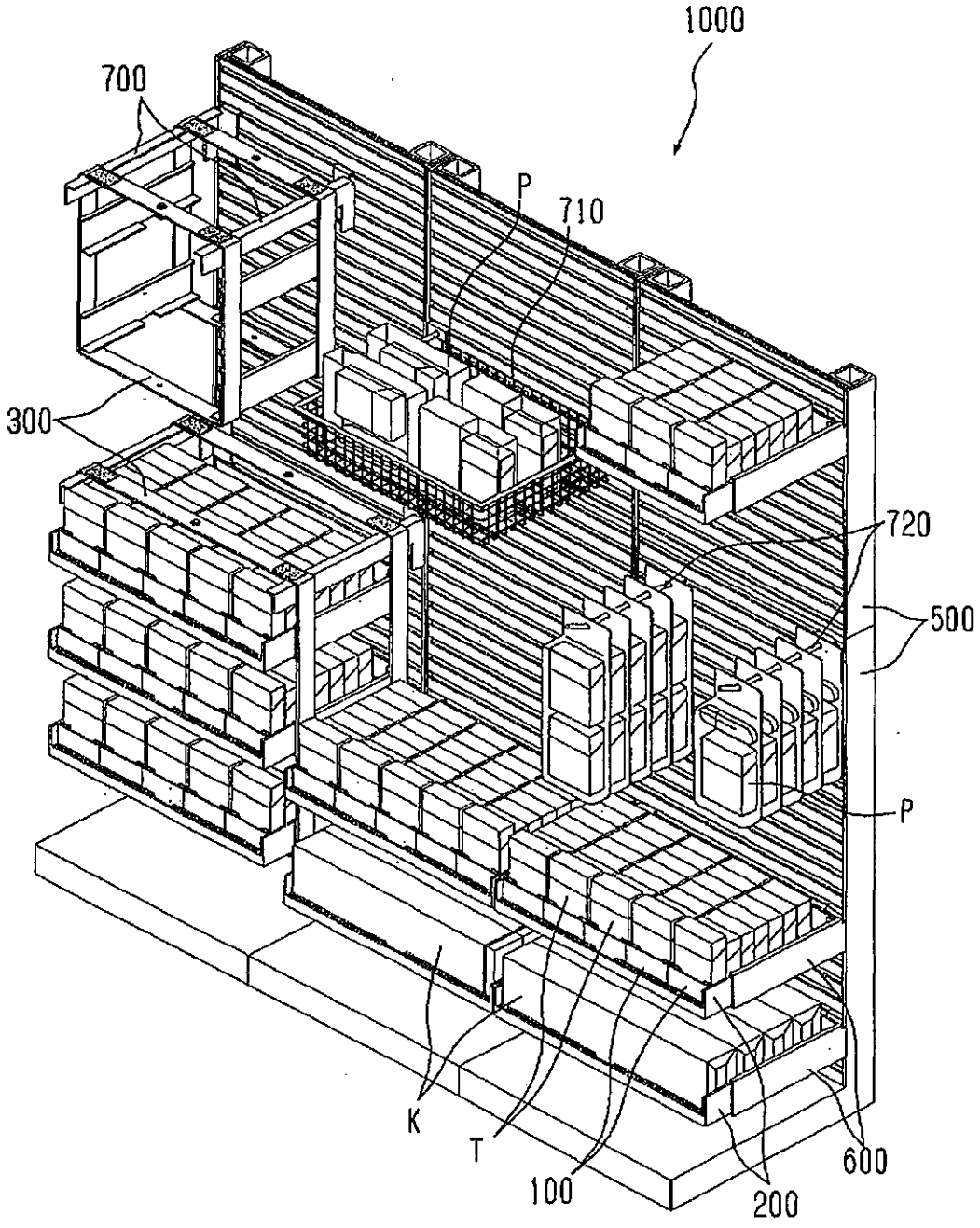


Fig.2

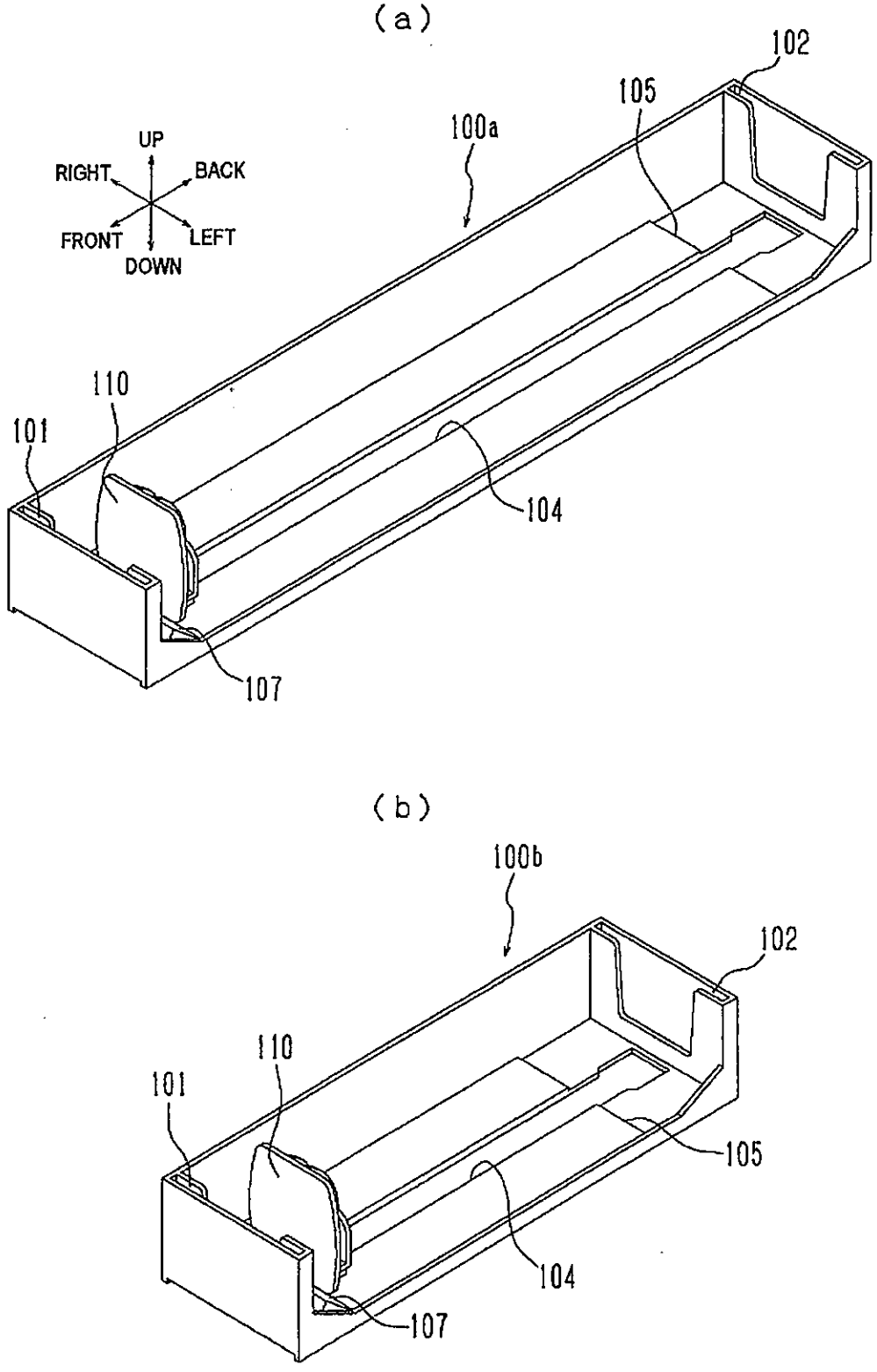
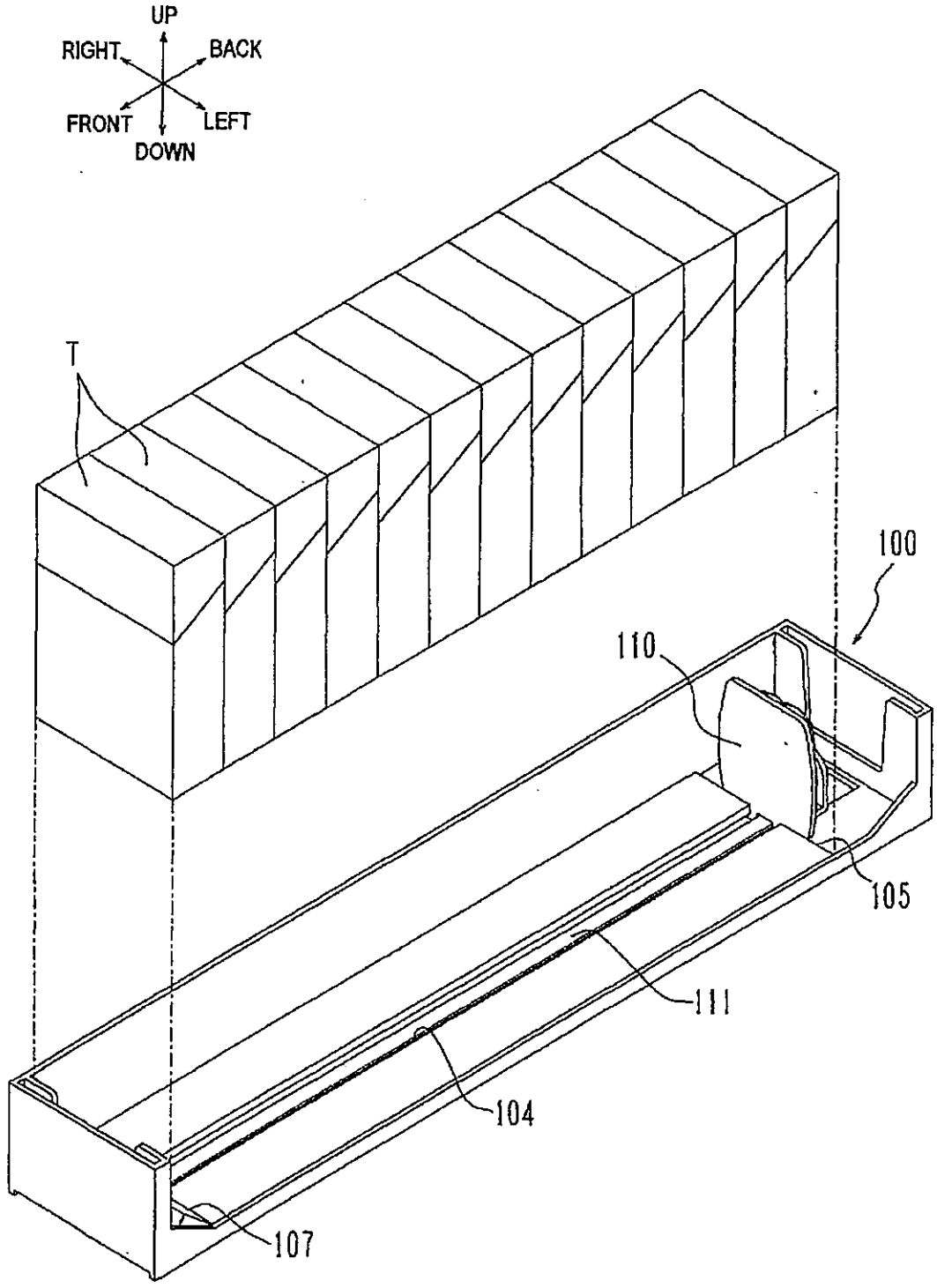
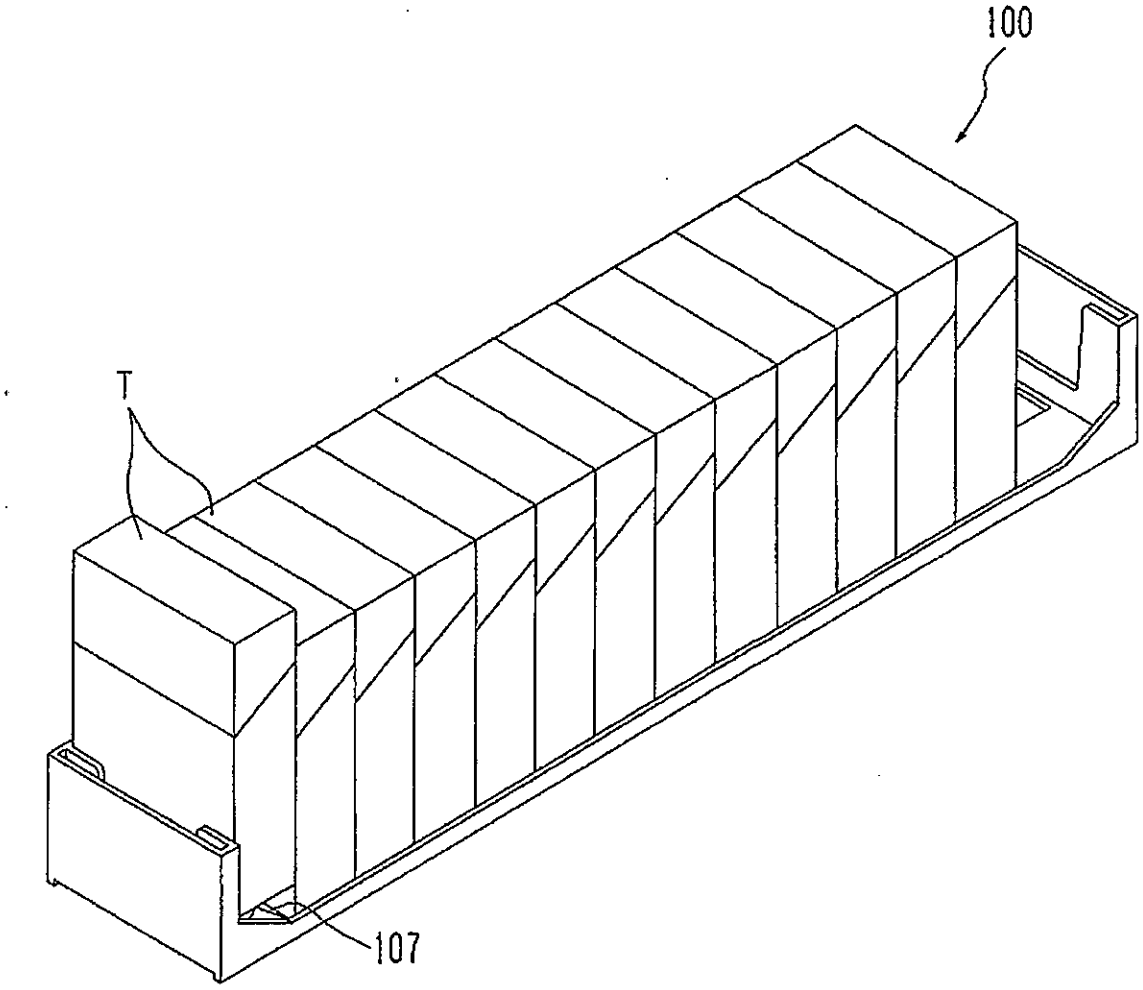

(a)
UP
RIGHT
BACK
FRONT
LEFT
DOWN
100a
102
105
110
101
104
107
(b)
100b
102
110
101
105
104
107

Fig.3



~~50~~

Fig.4



~~51~~

Fig.5

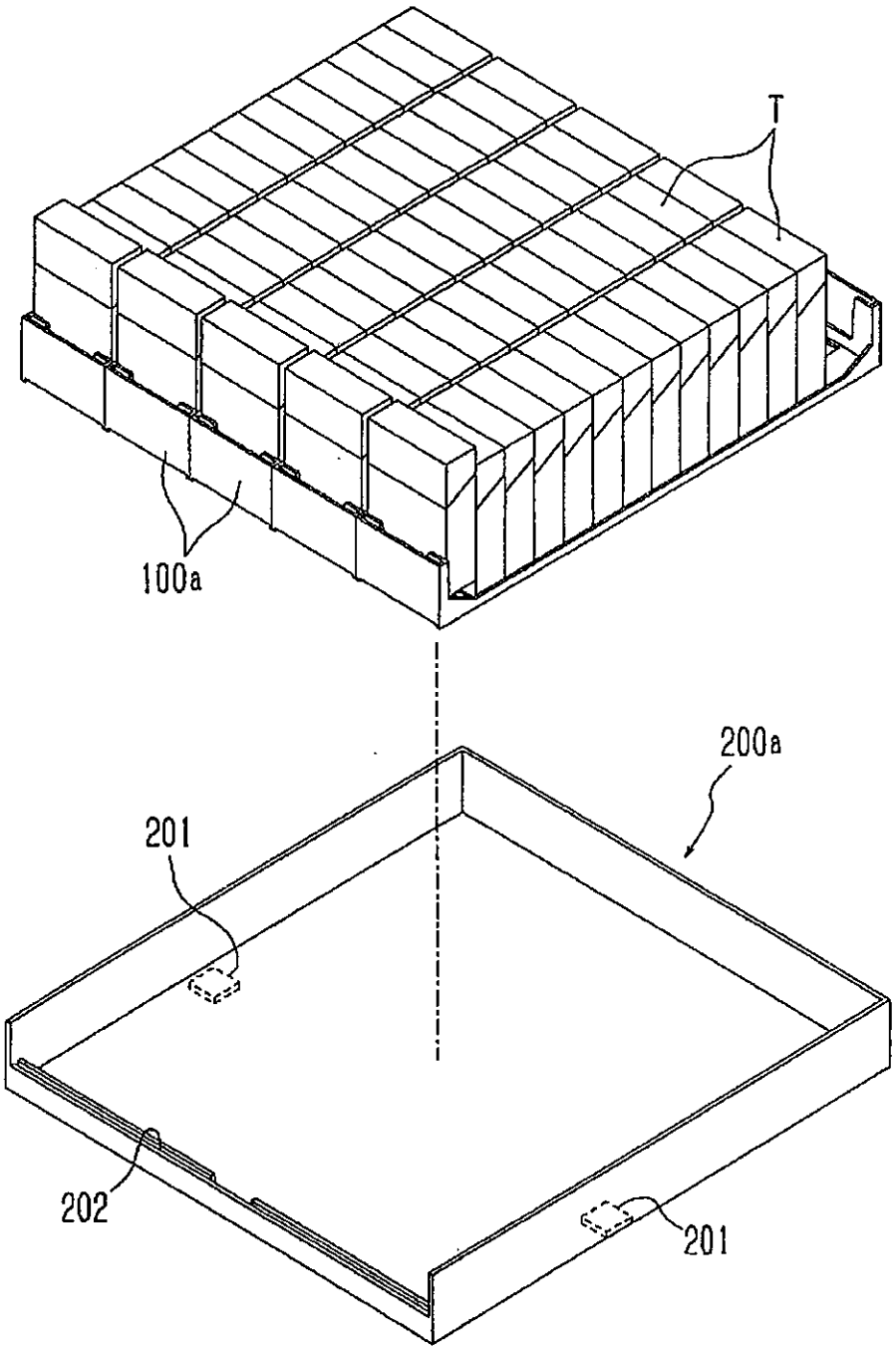


Fig.6

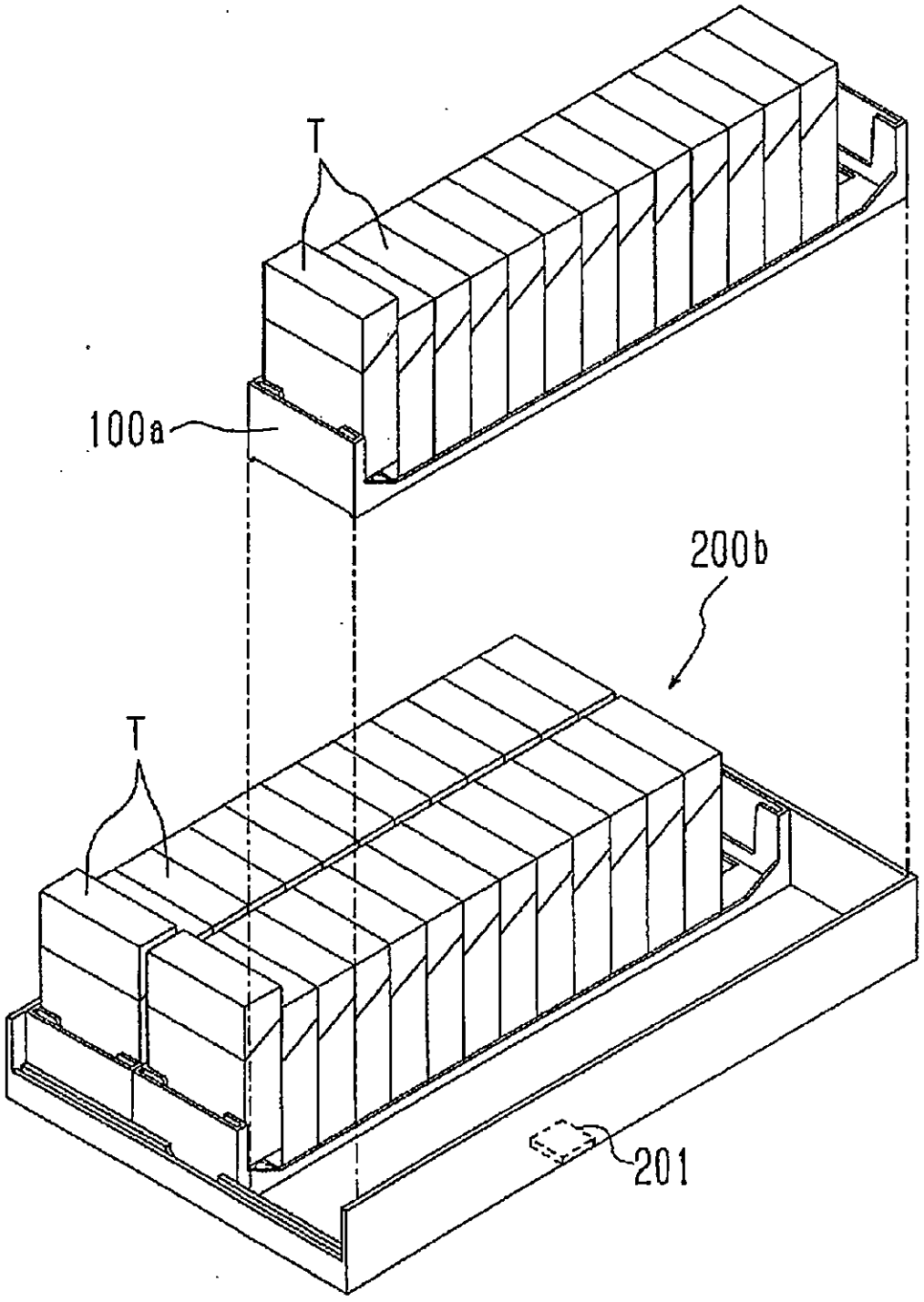


Fig.7

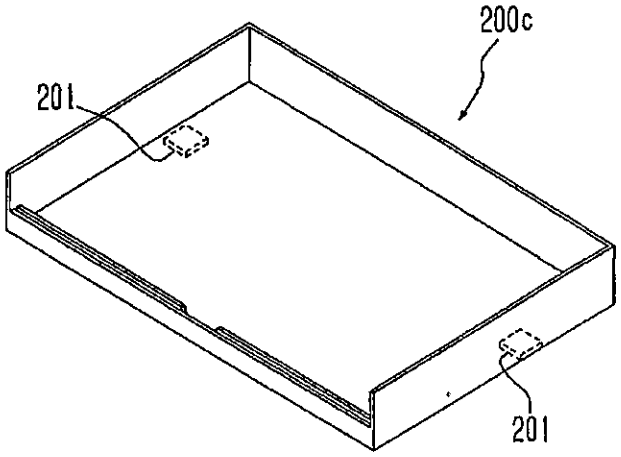



Fig.8

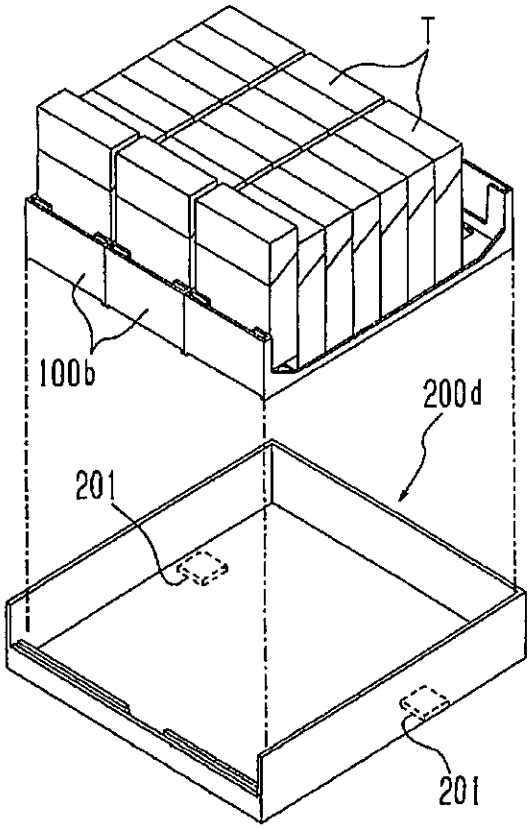


Fig.9

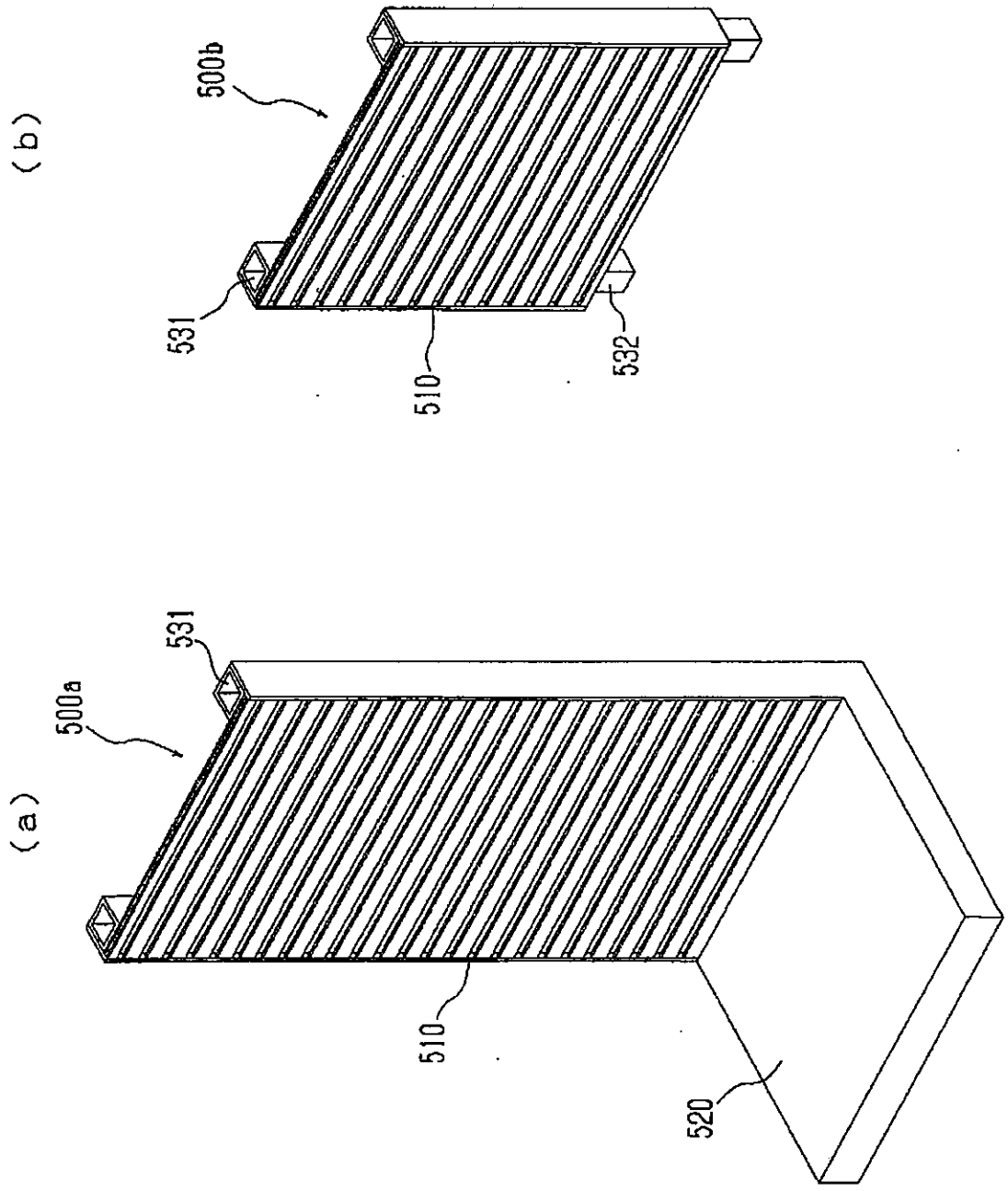
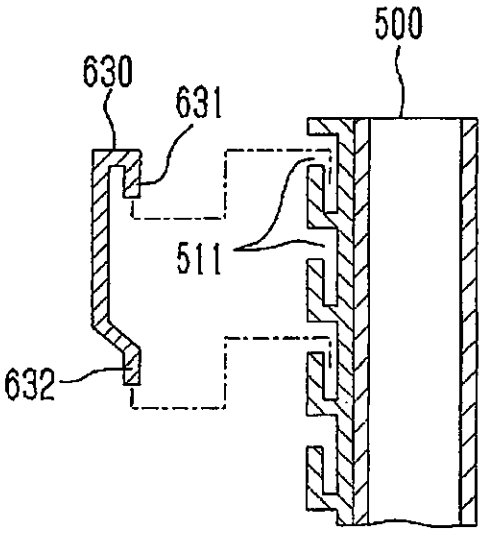


Fig.10

(a)




(b)

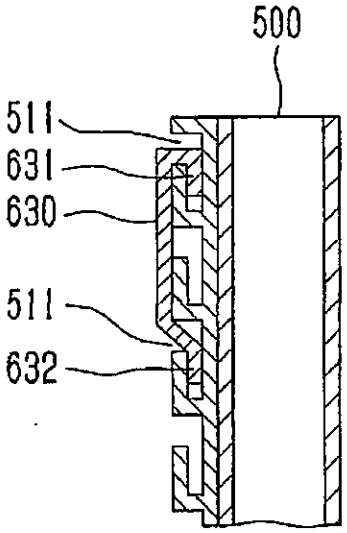
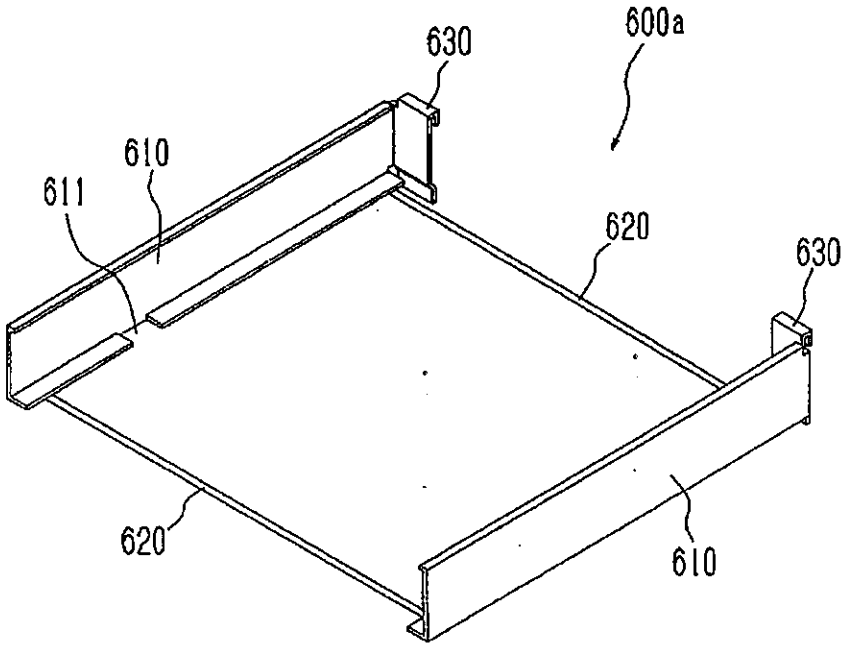
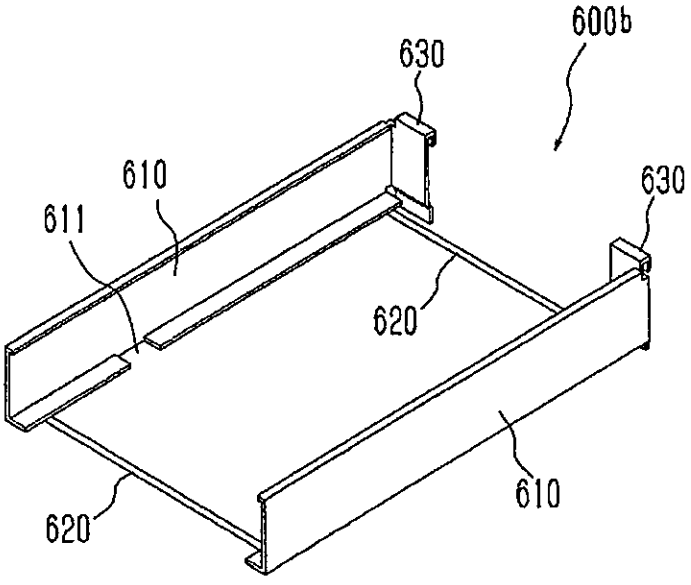


Fig.11

(a)


600a
630
610
611
620
630
620
610

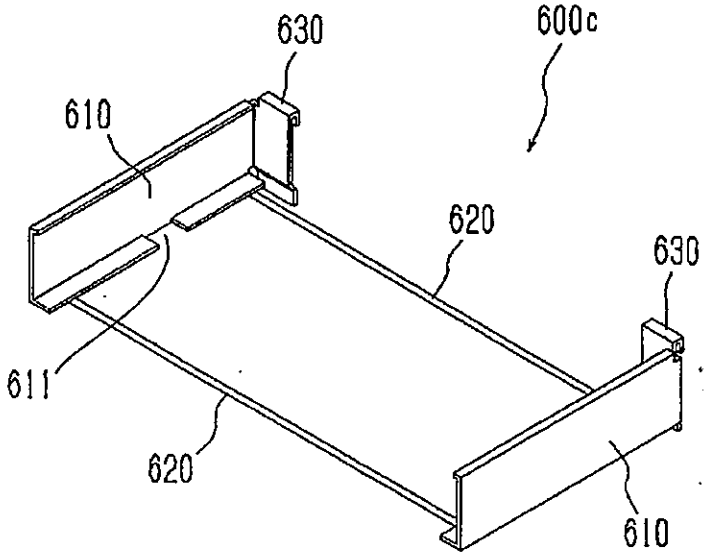
(b)


600b
630
610
611
630
620
620
610

~~57~~

Fig.12

(a)


630
600c
610
620
630
611
620
610

(b)

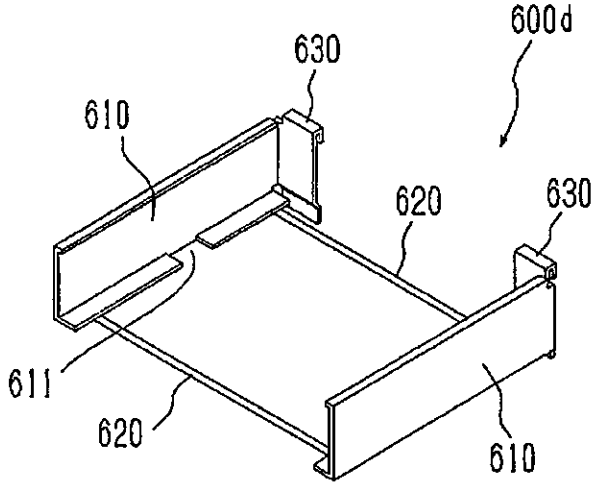

600d
630
610
620
630
611
620
610

Fig.13

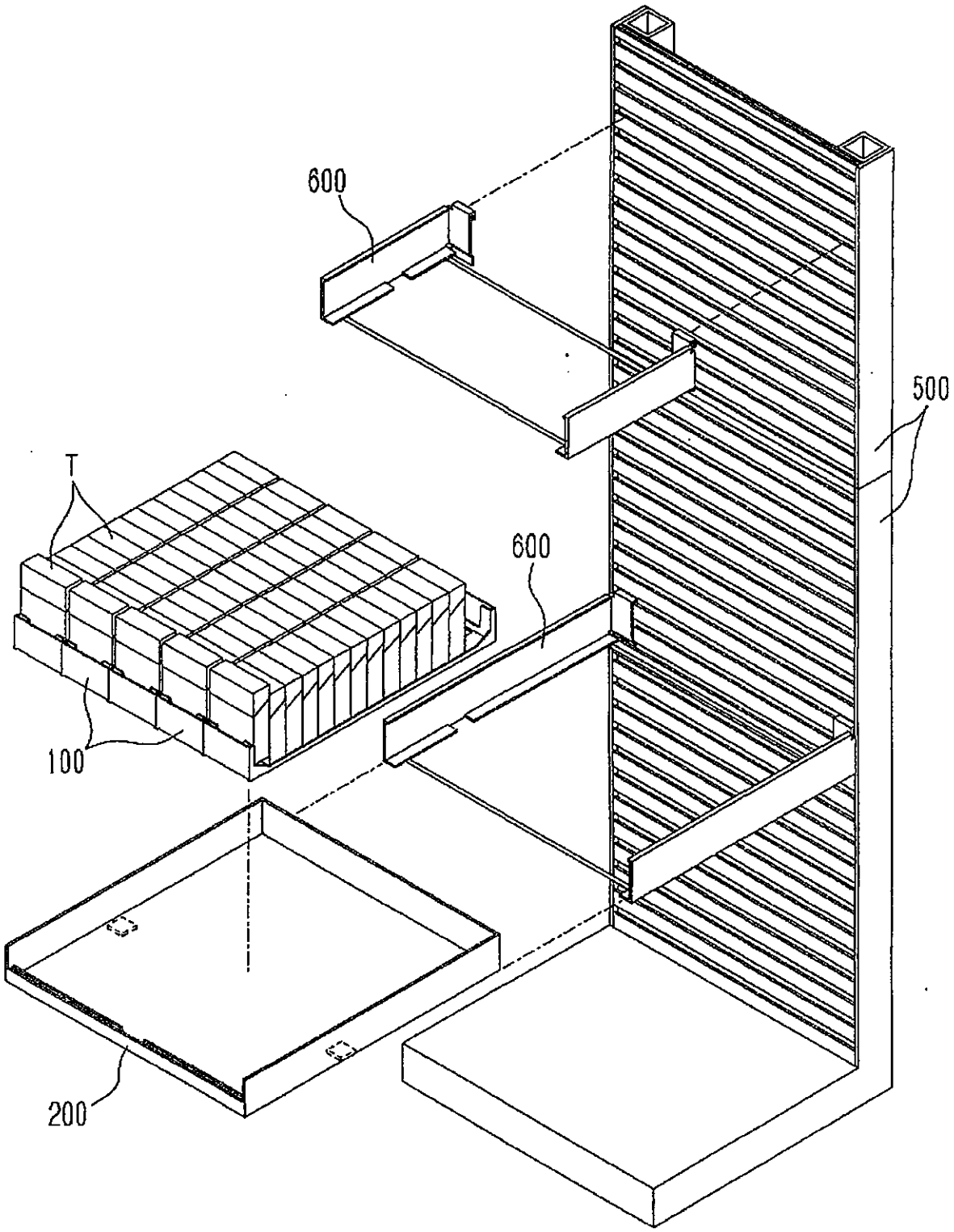
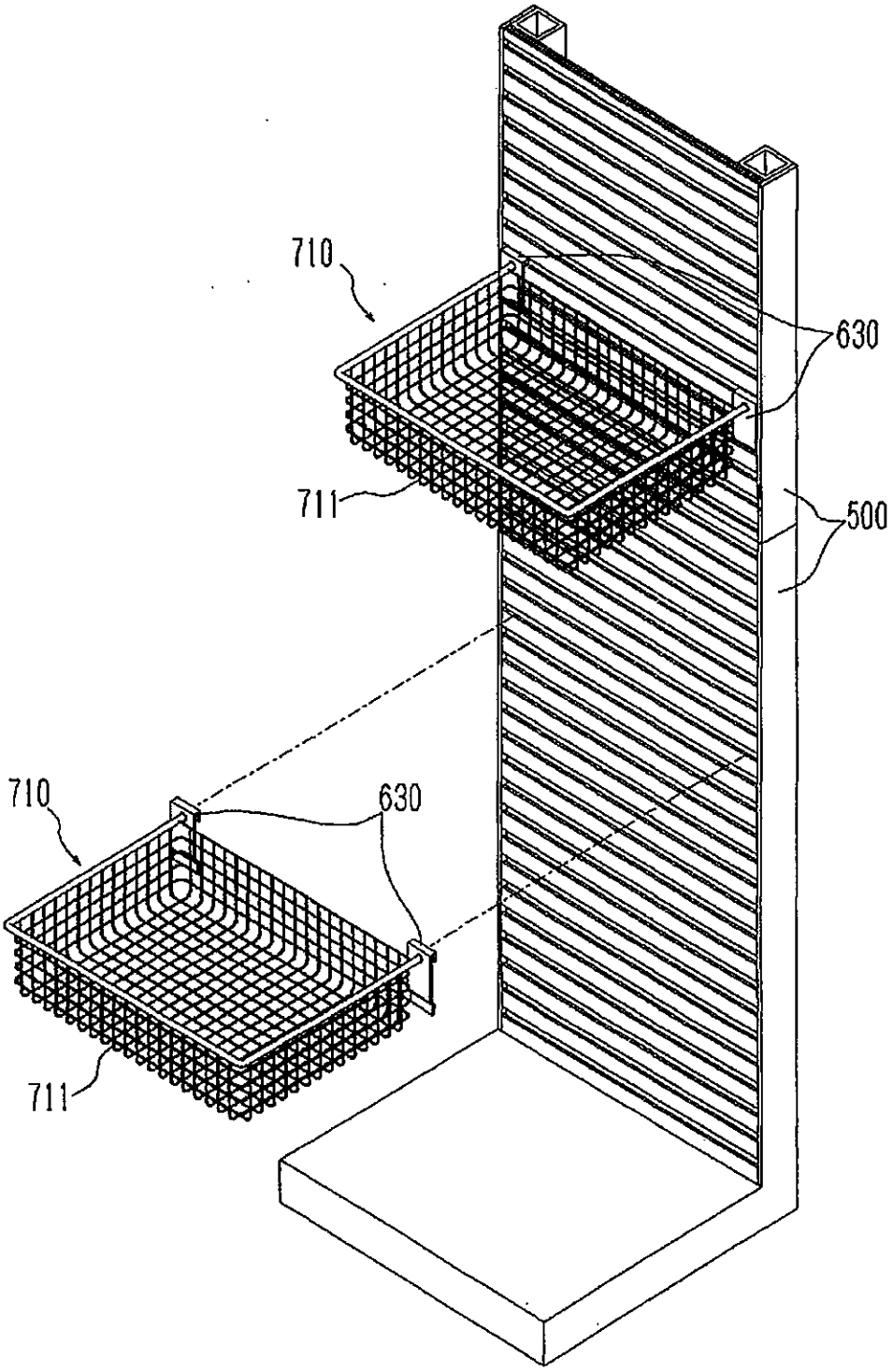
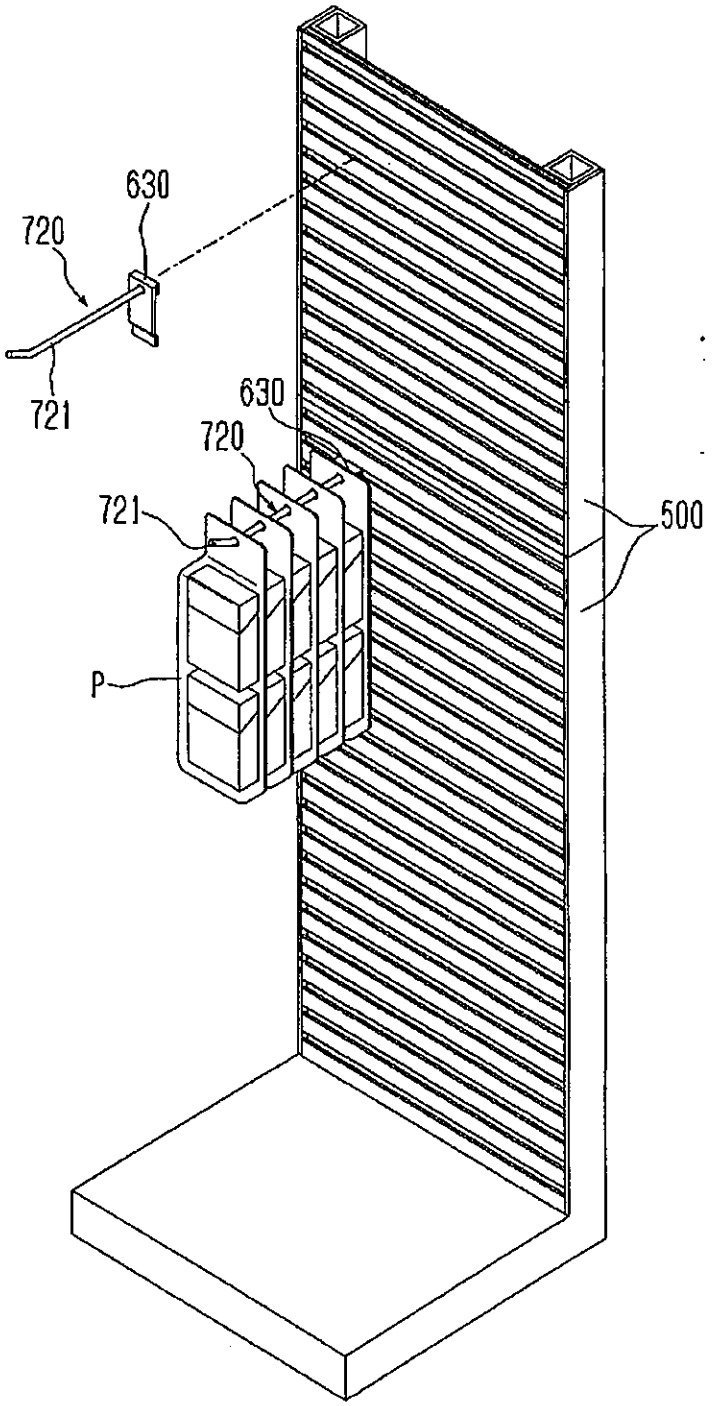


Fig.14



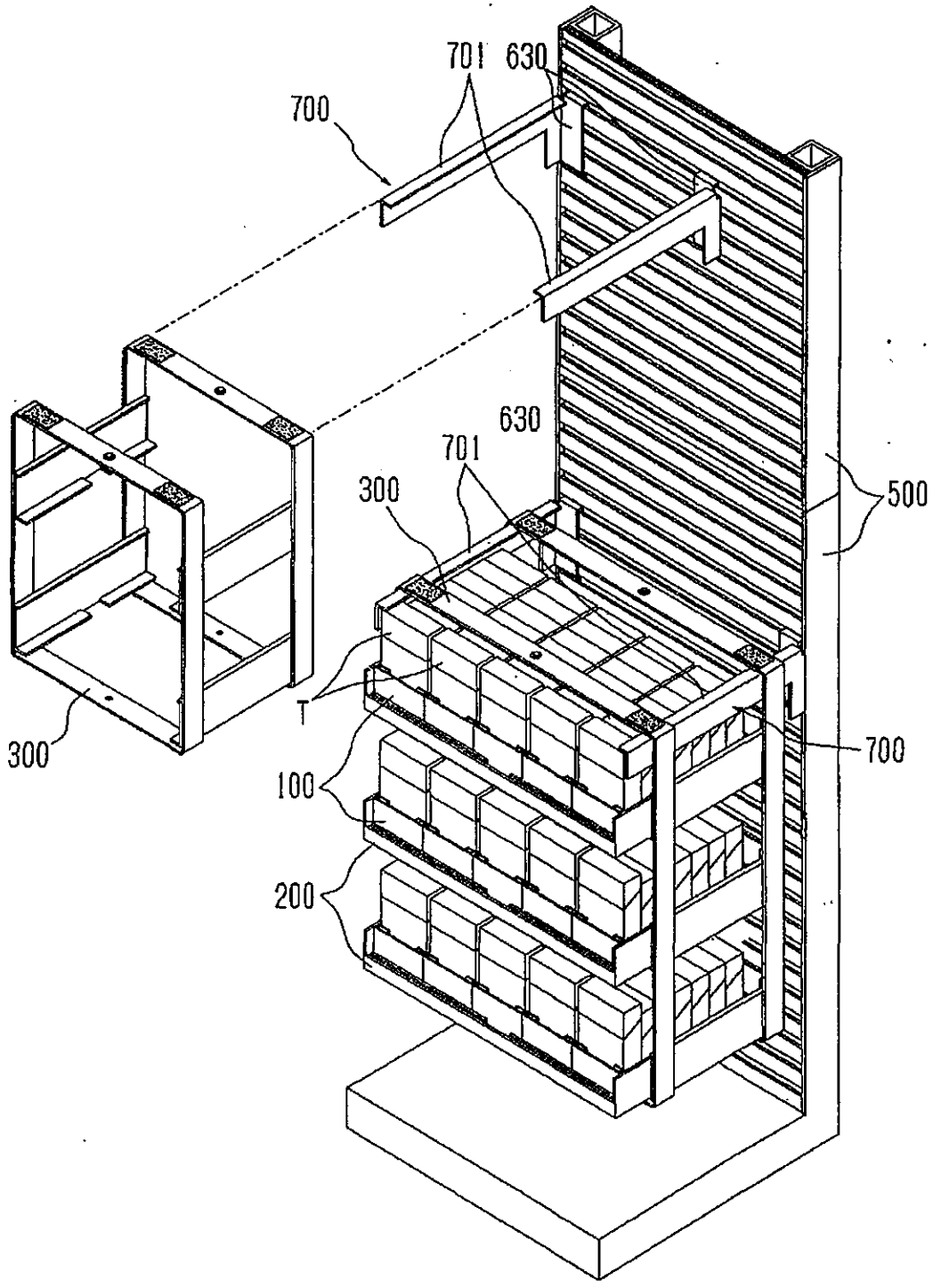
~~60~~

Fig.15



~~61~~

Fig.16



~~62~~

Fig.17

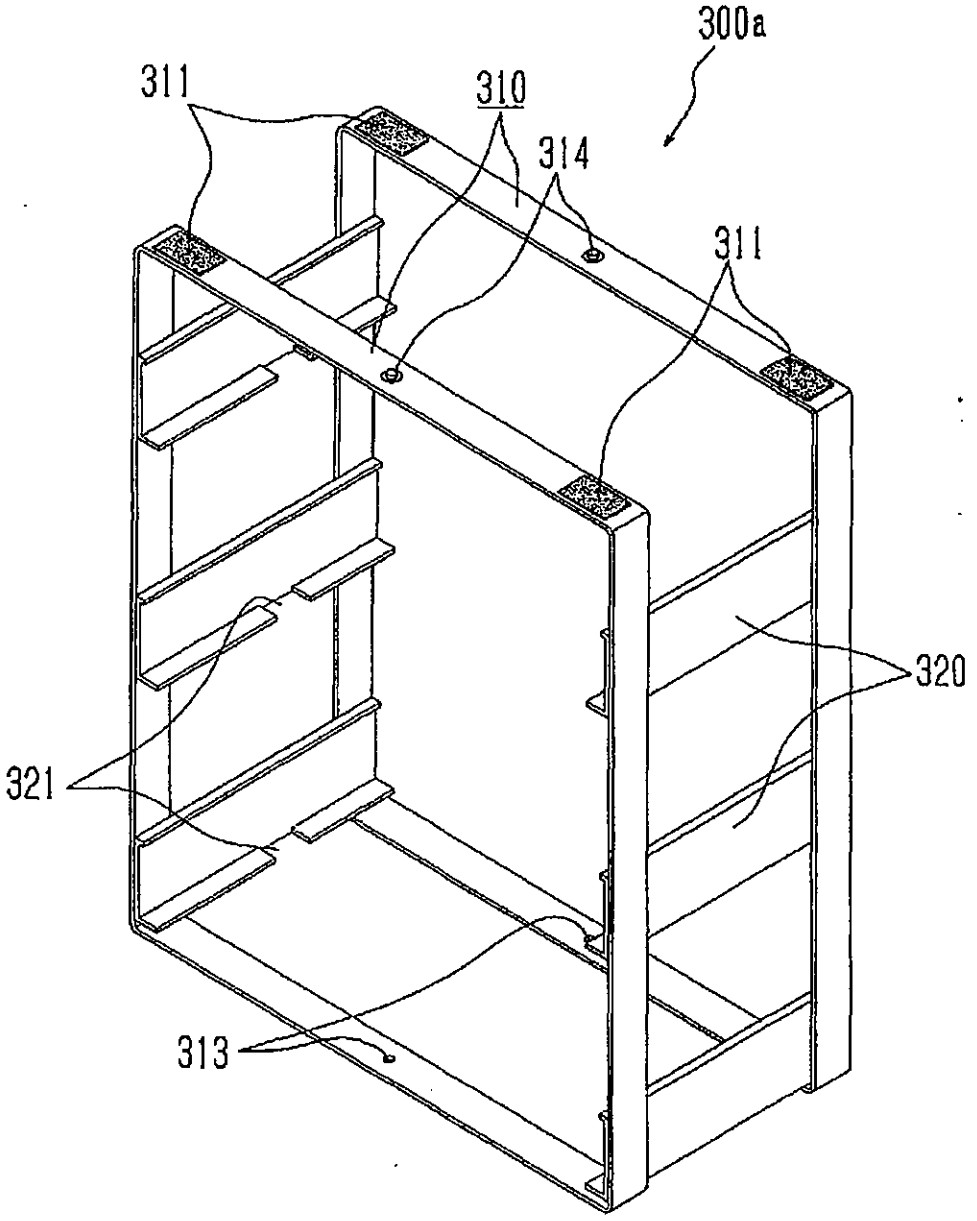


Fig.18

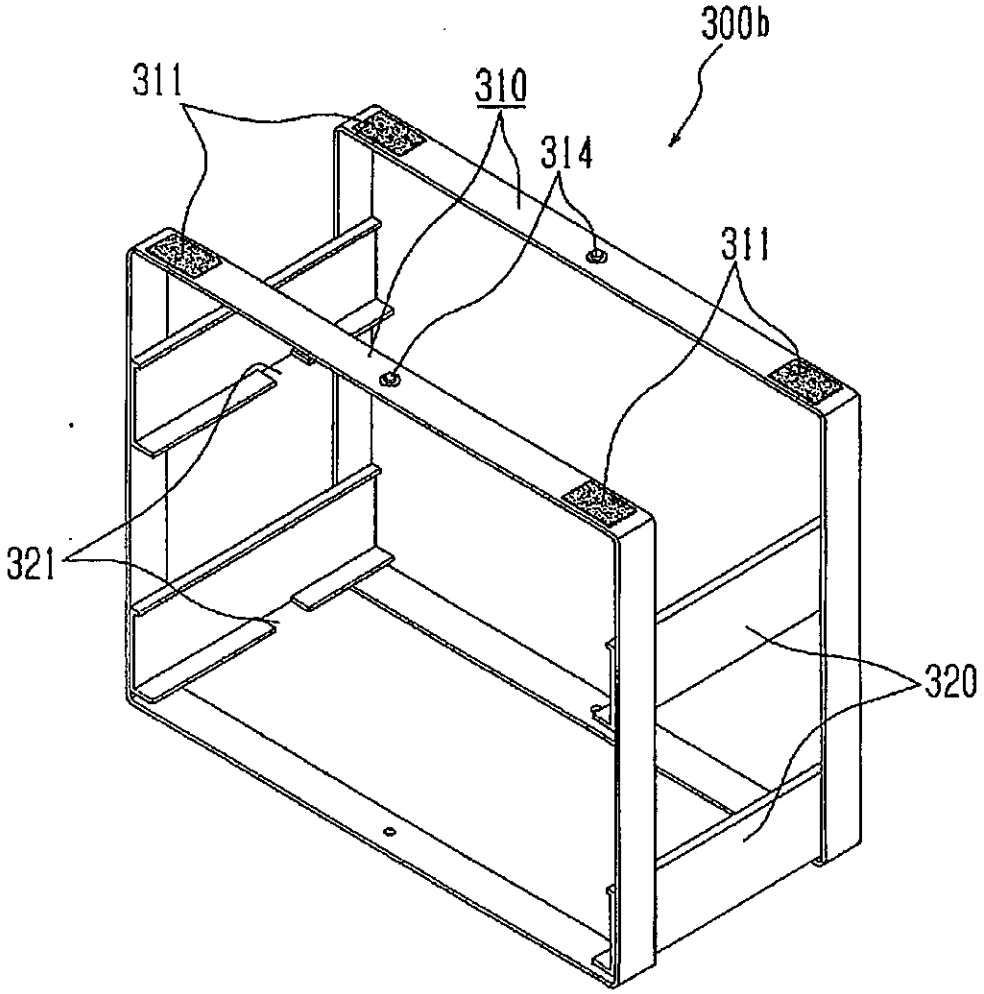
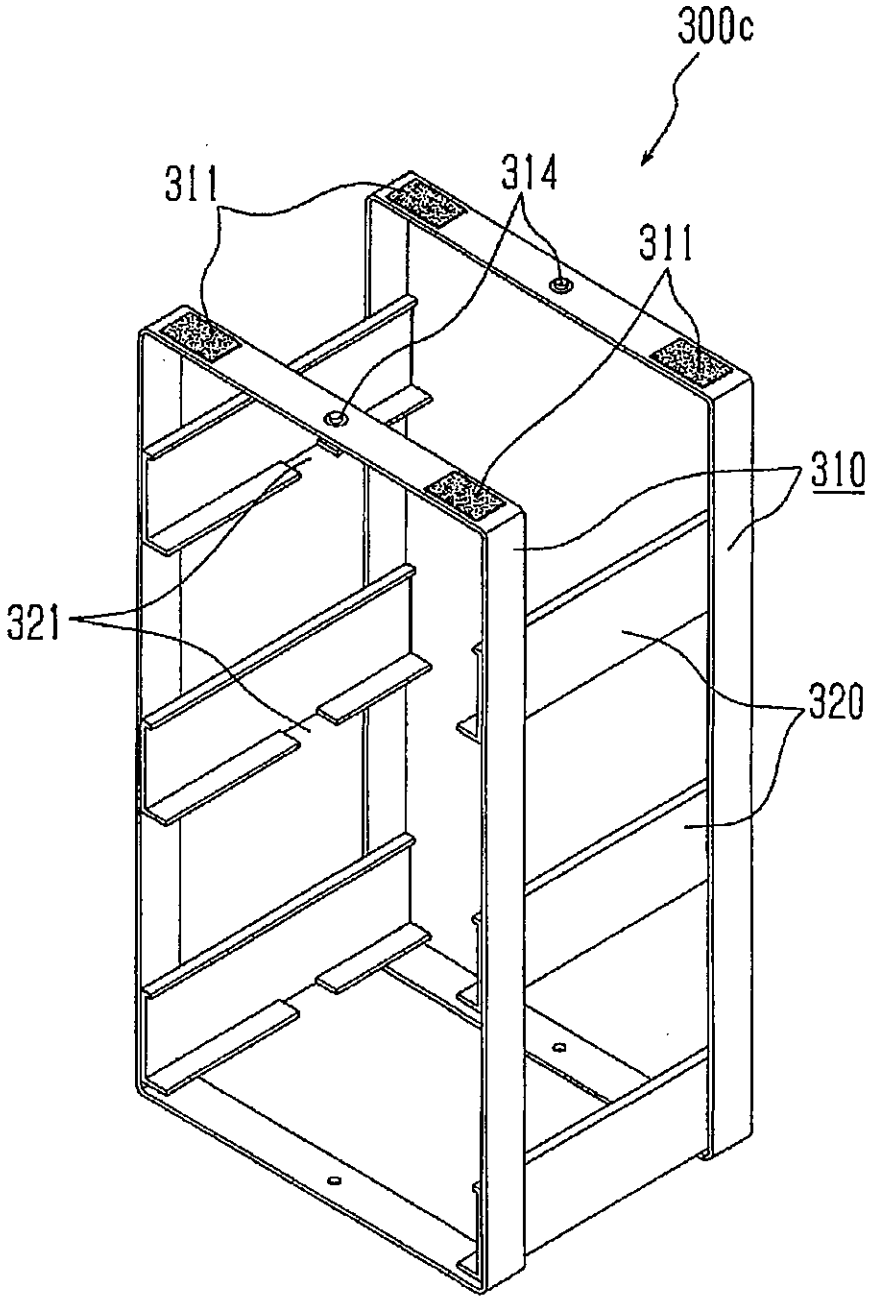


Fig.19



~~65~~

Fig.20

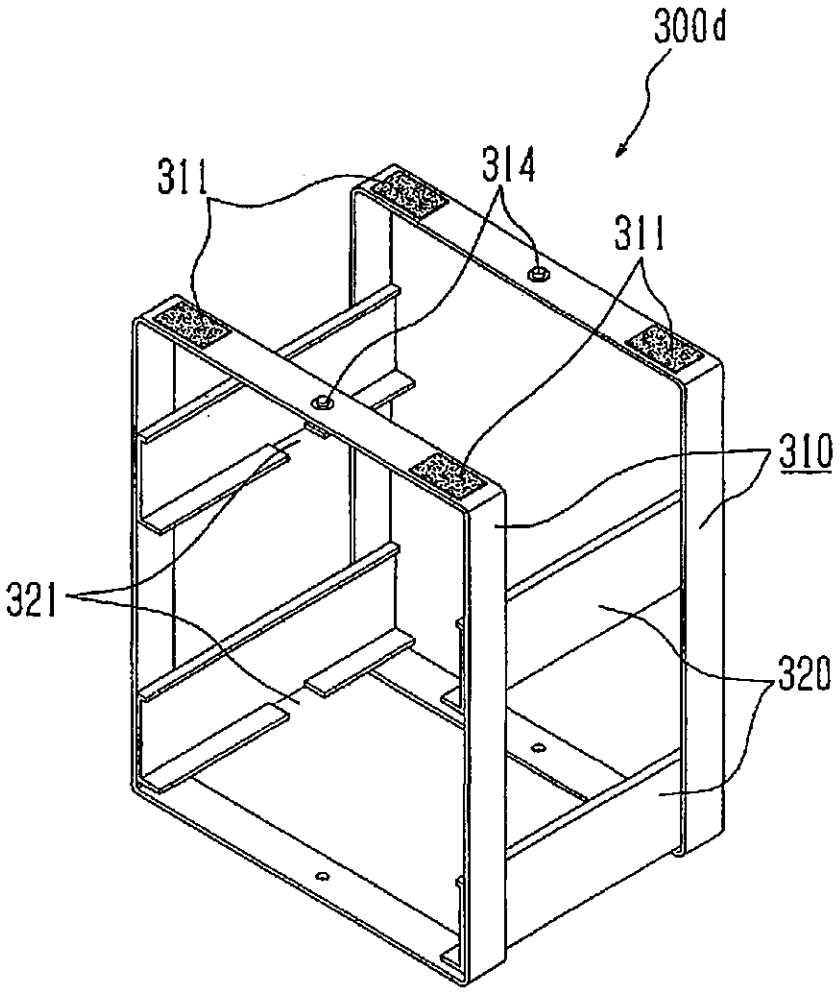


Fig.21

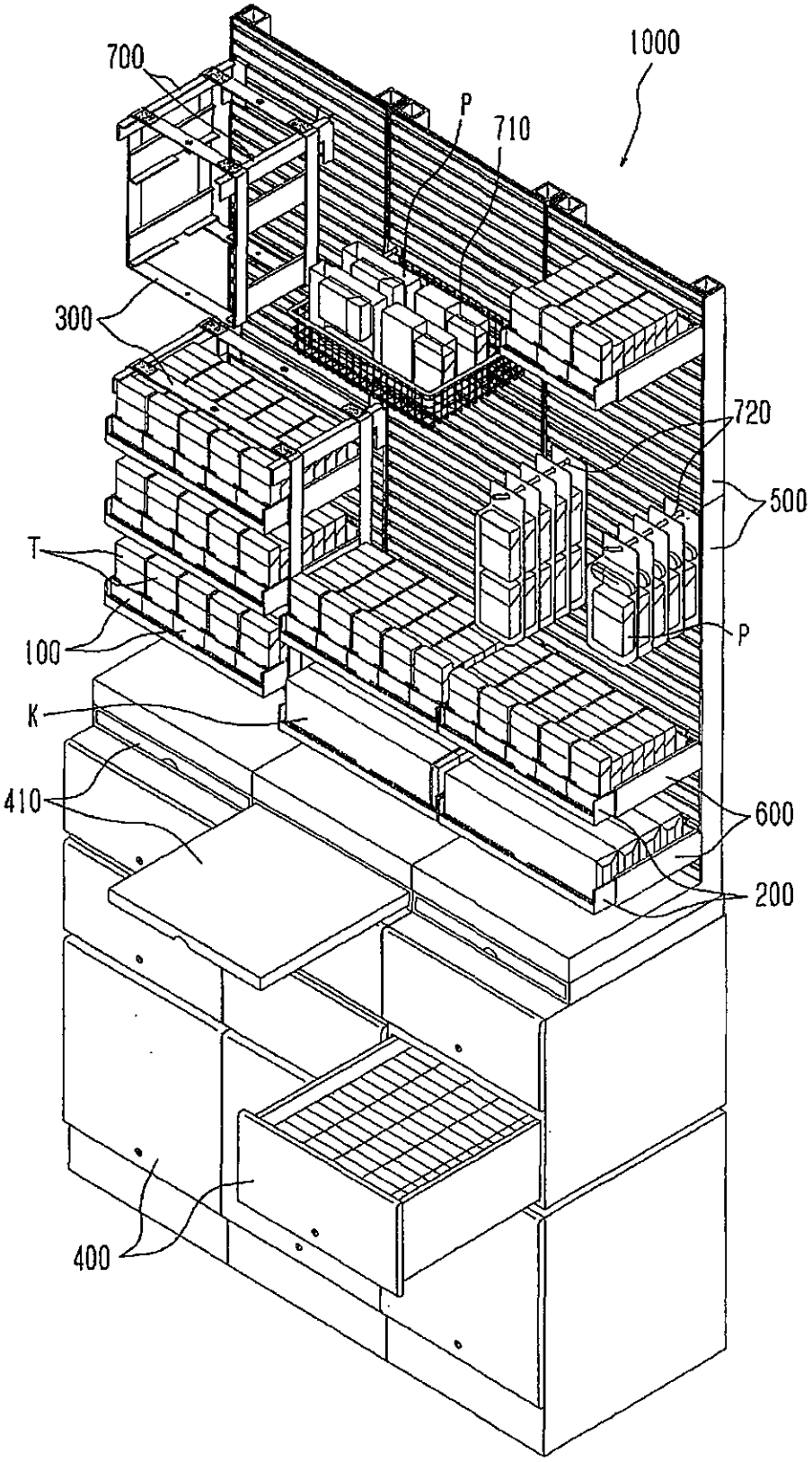


Fig.22

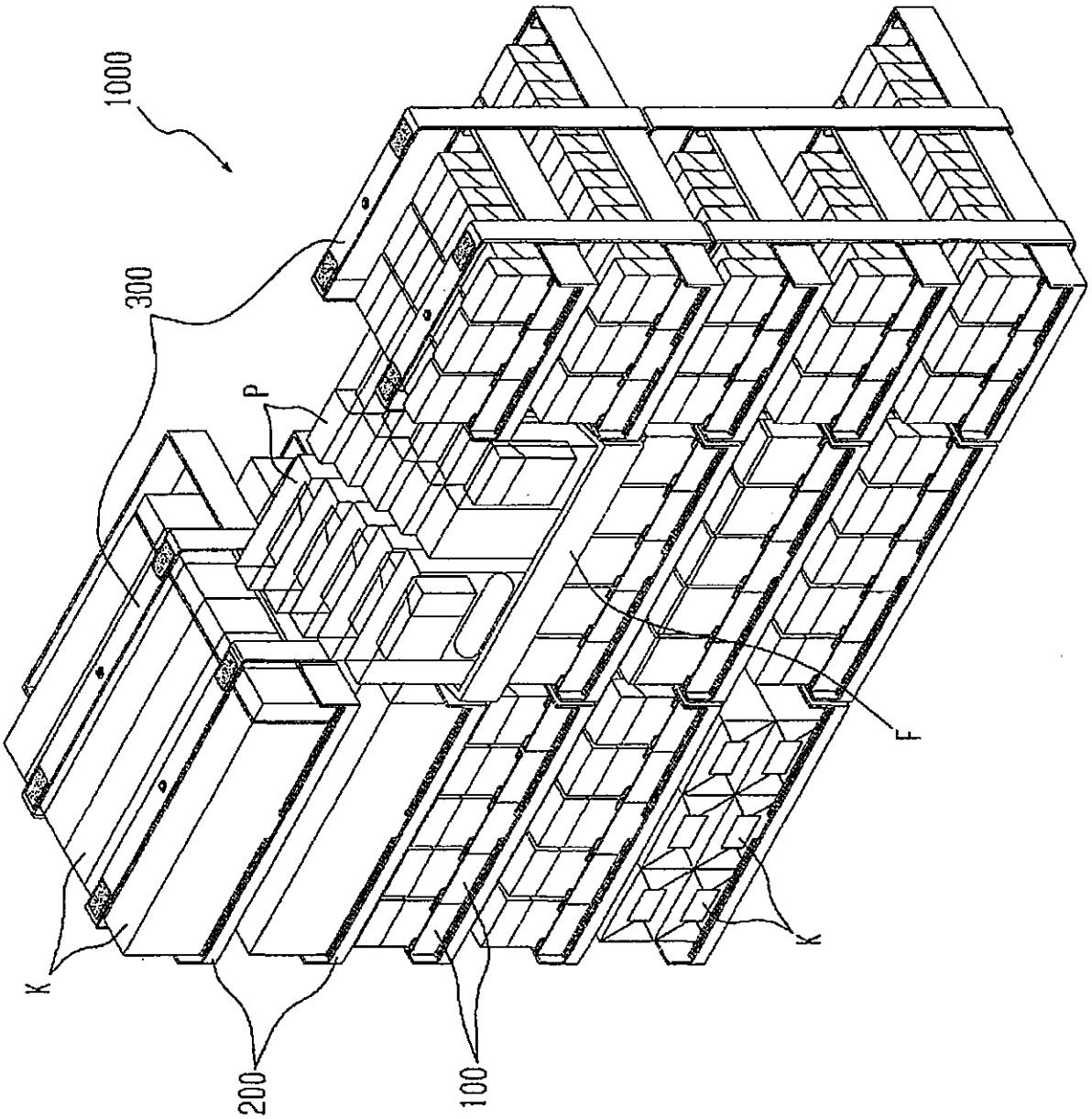


Fig.23

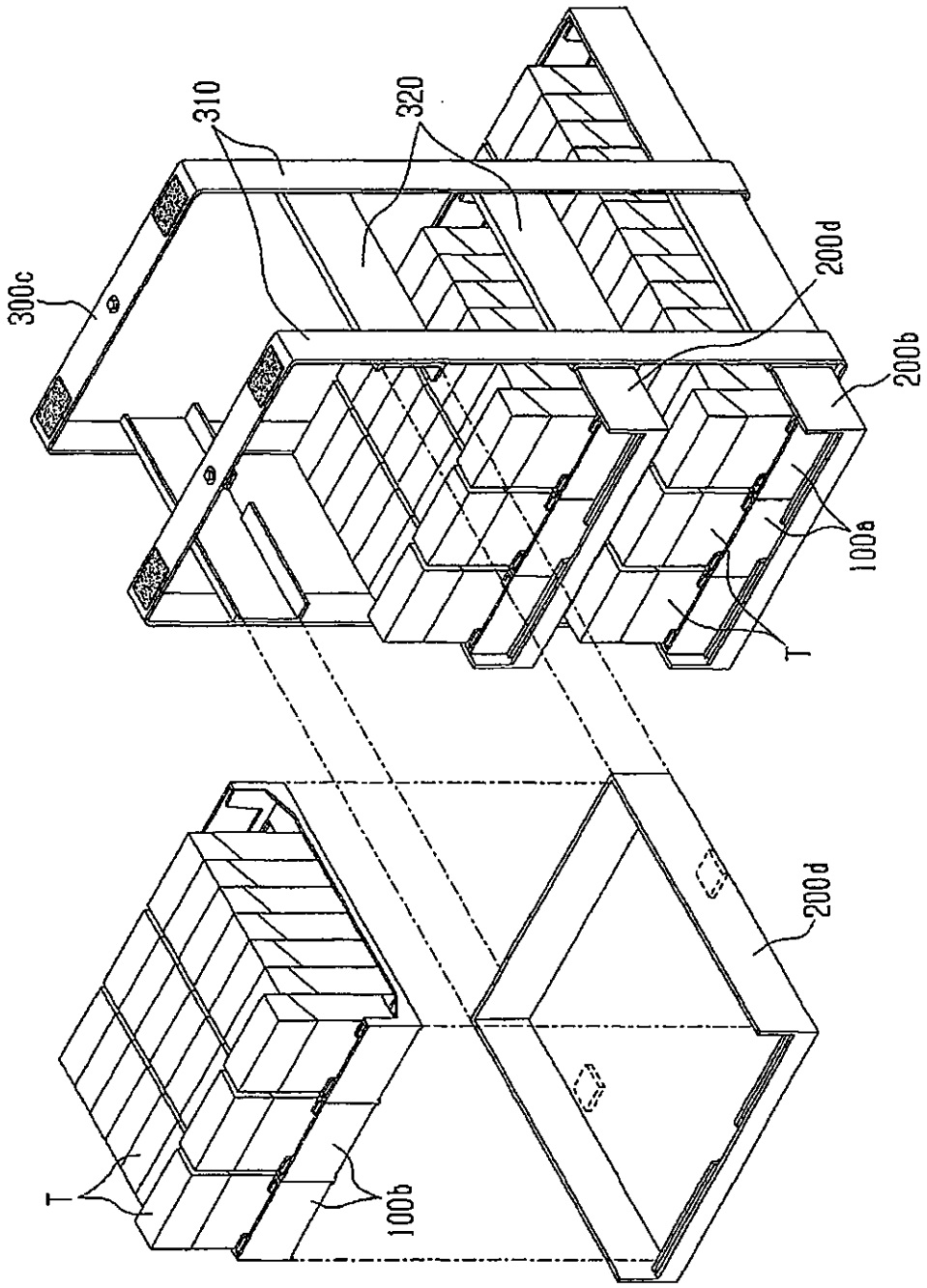


Fig.24

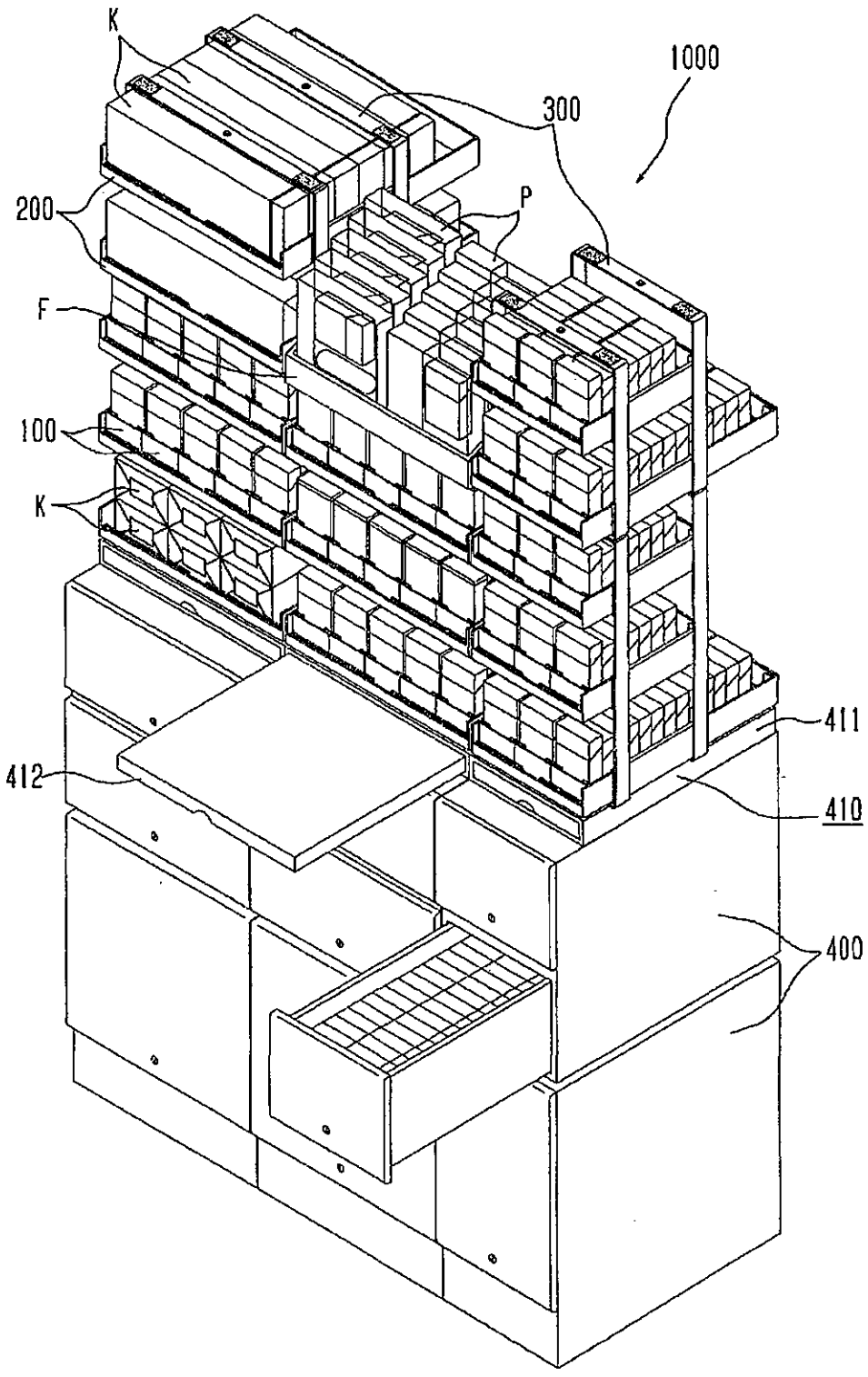


Fig.25

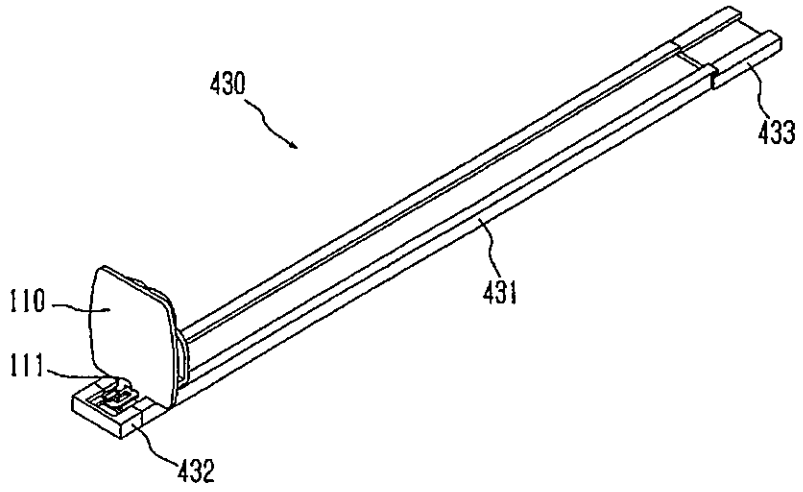



Fig.26

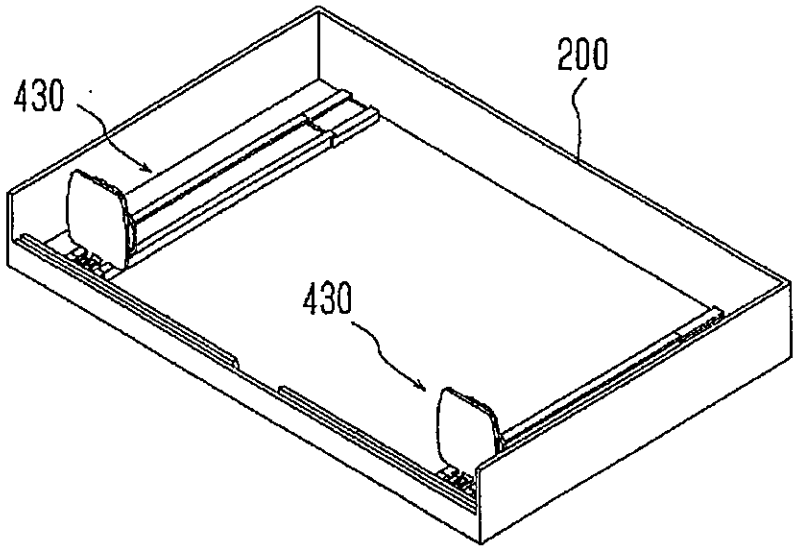
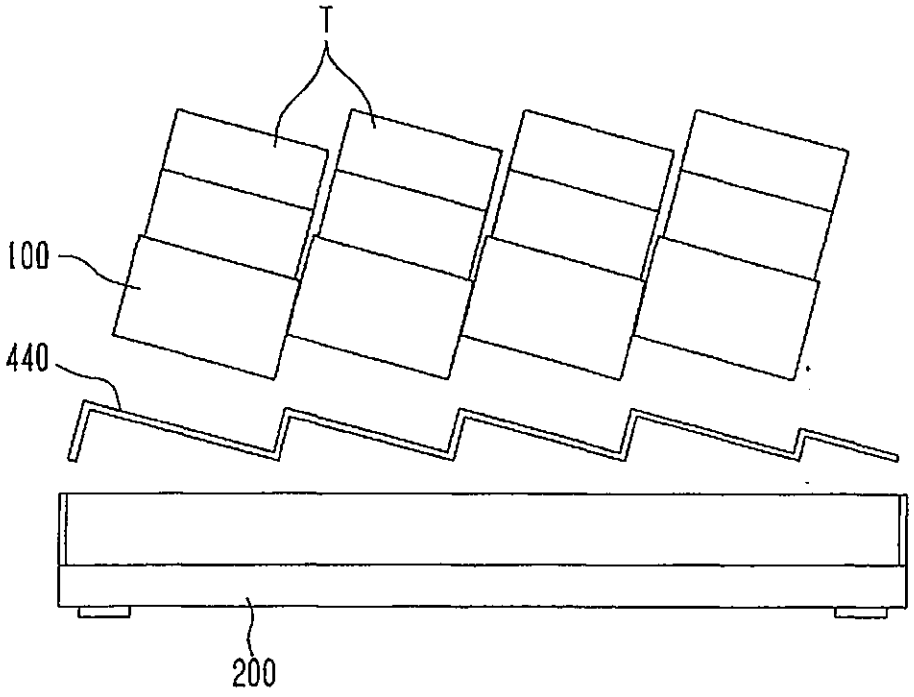
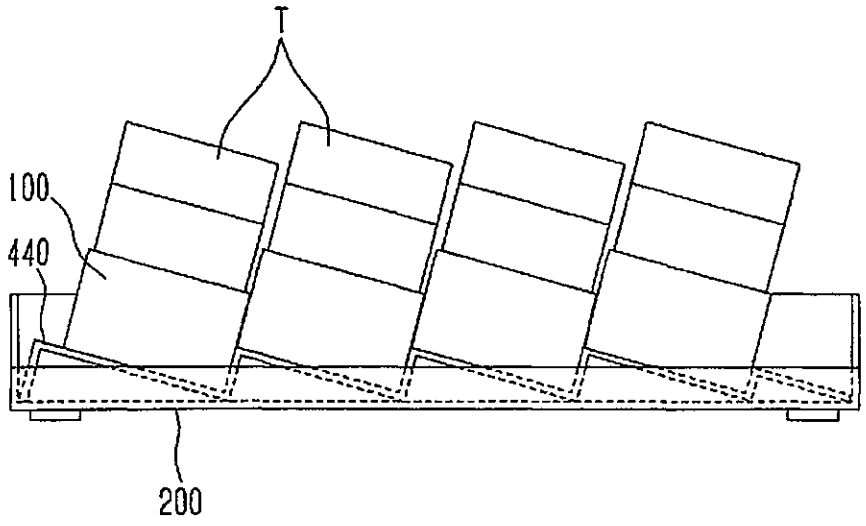


Fig.27

(a)

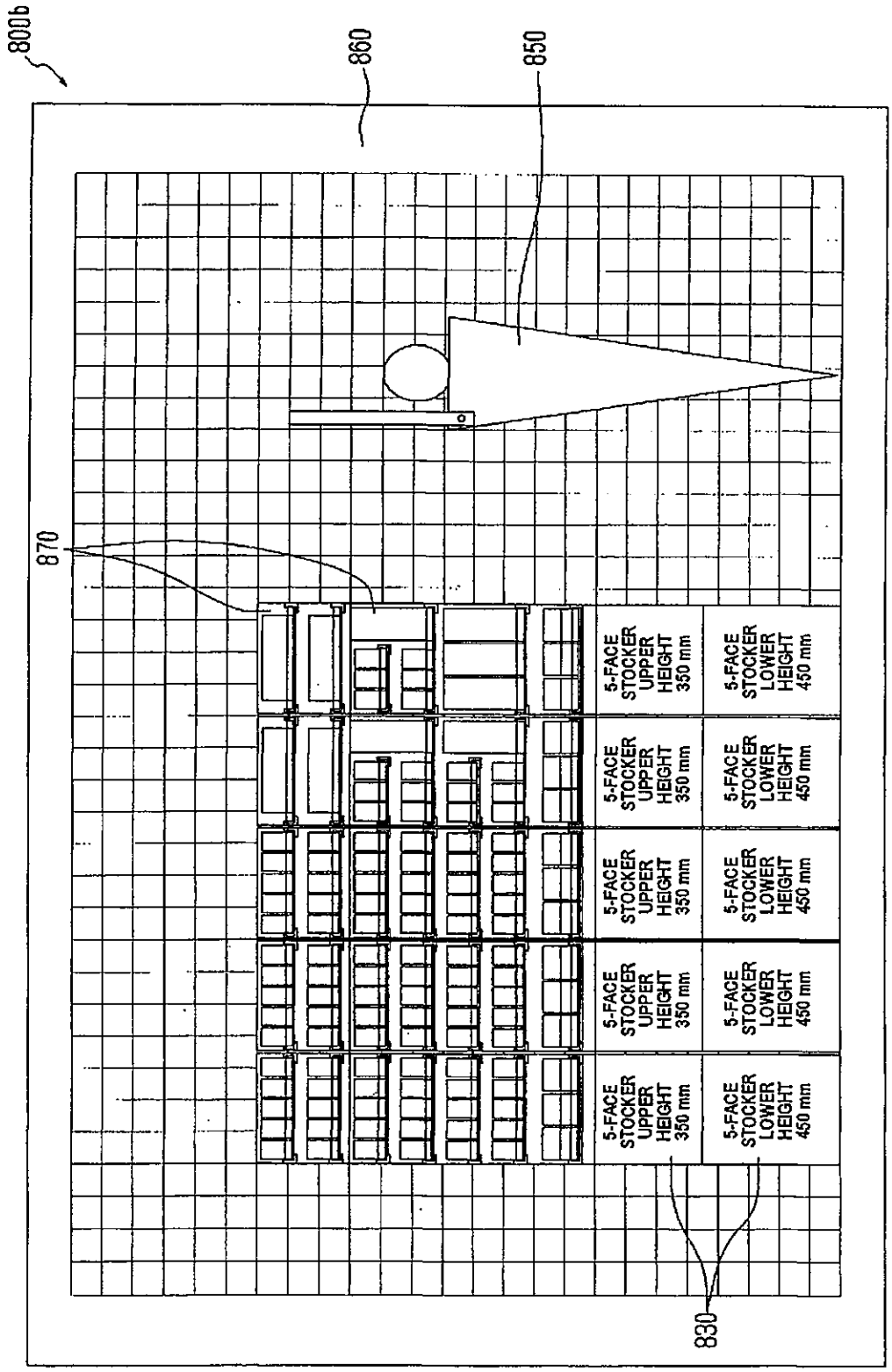



(b)



~~72~~

Fig.28


800b
860
850
870
5-FACE STOCKER UPPER HEIGHT 350 mm
5-FACE STOCKER LOWER HEIGHT 450 mm
830

~~73~~

Fig.29

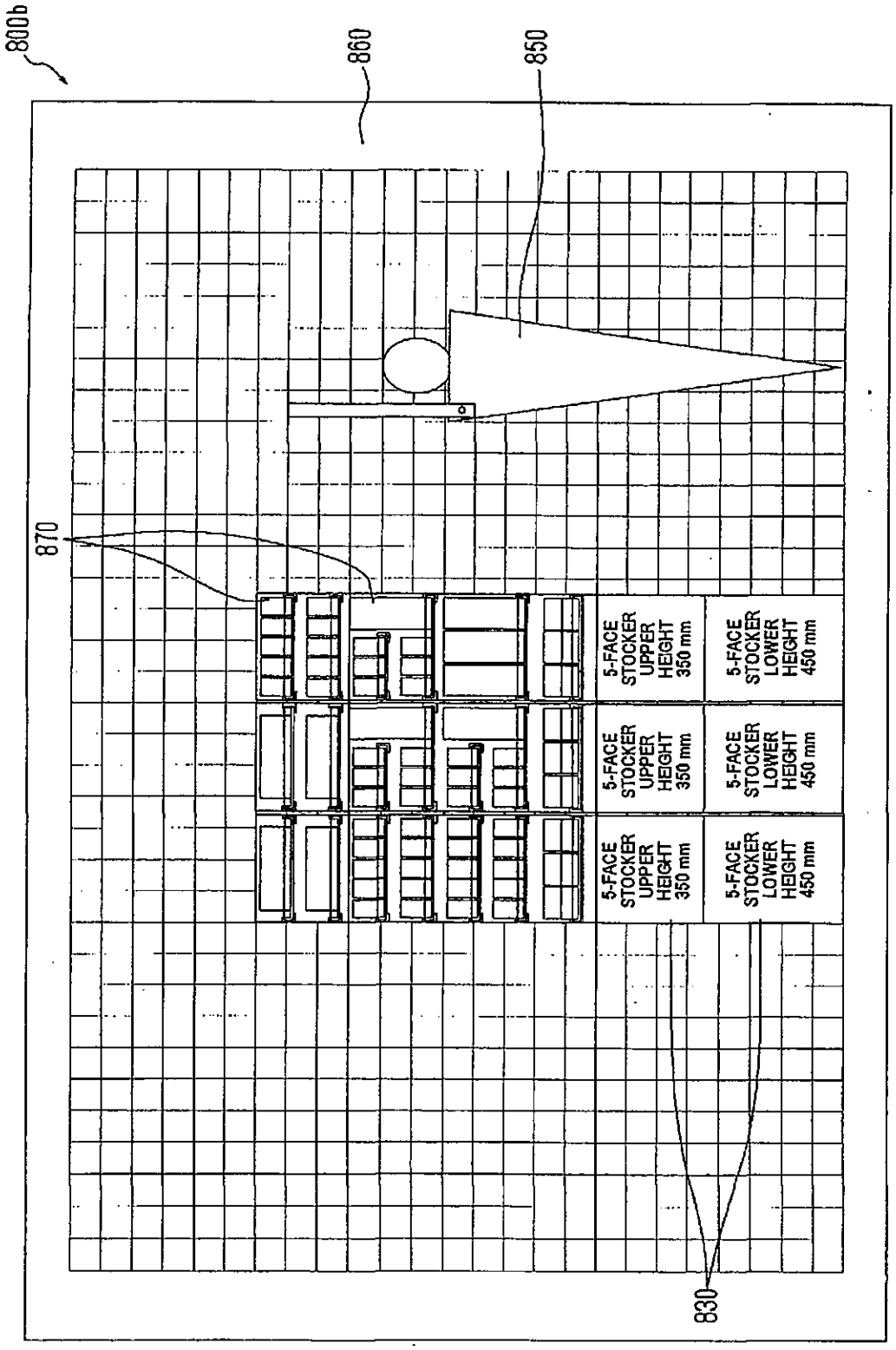
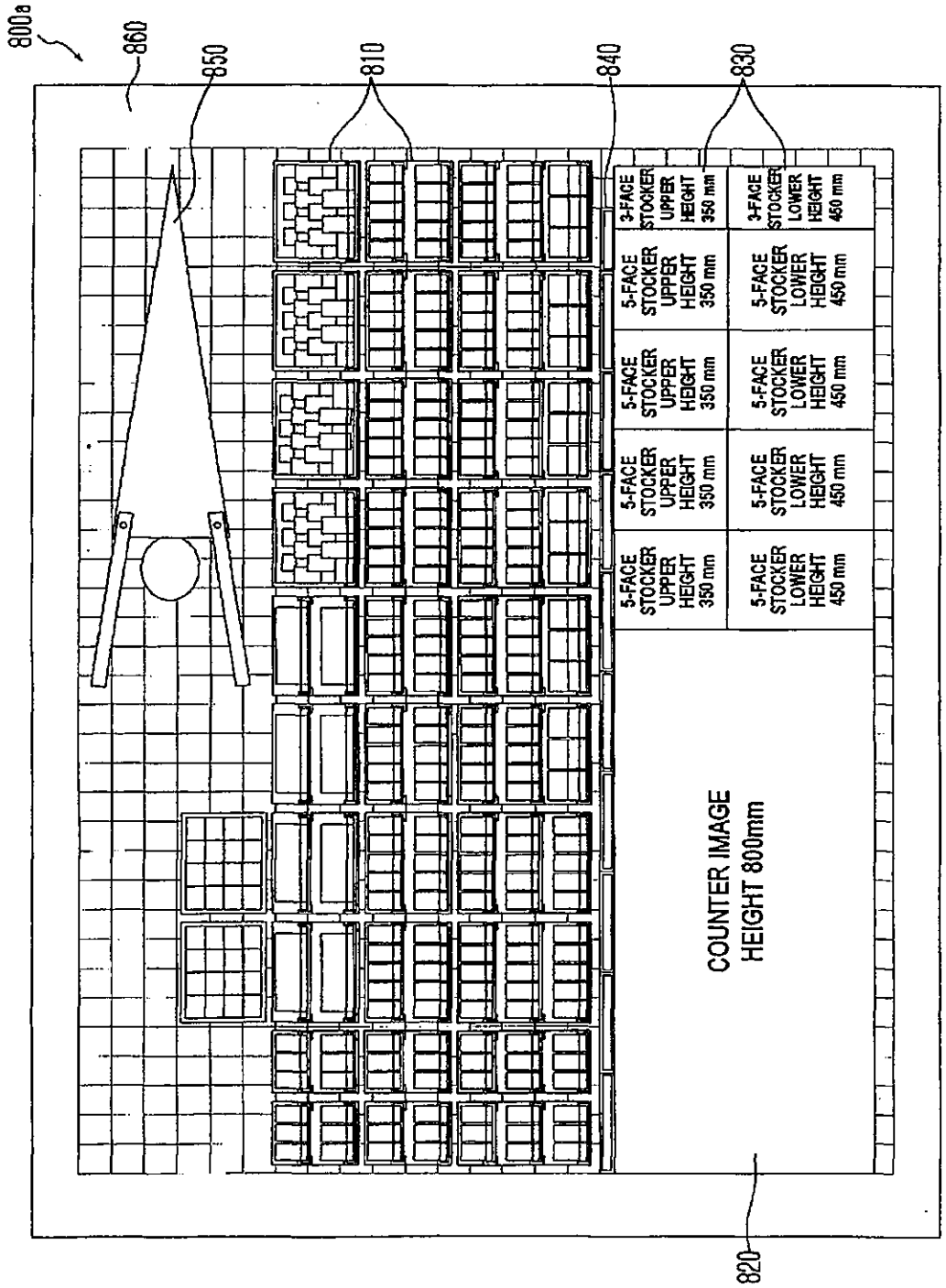

800b
860
850
870
5-FACE STOCKER UPPER HEIGHT 350 mm
5-FACE STOCKER LOWER HEIGHT 450 mm
5-FACE STOCKER UPPER HEIGHT 350 mm
5-FACE STOCKER LOWER HEIGHT 450 mm
5-FACE STOCKER UPPER HEIGHT 350 mm
5-FACE STOCKER LOWER HEIGHT 450 mm
830

Fig.30


800a
860
850
810
840
830
820
3-FACE STOCKER UPPER HEIGHT 350 mm
3-FACE STOCKER LOWER HEIGHT 450 mm
5-FACE STOCKER UPPER HEIGHT 350 mm
5-FACE STOCKER LOWER HEIGHT 450 mm
COUNTER IMAGE
HEIGHT 800mm