DRAWING

Fig. 1

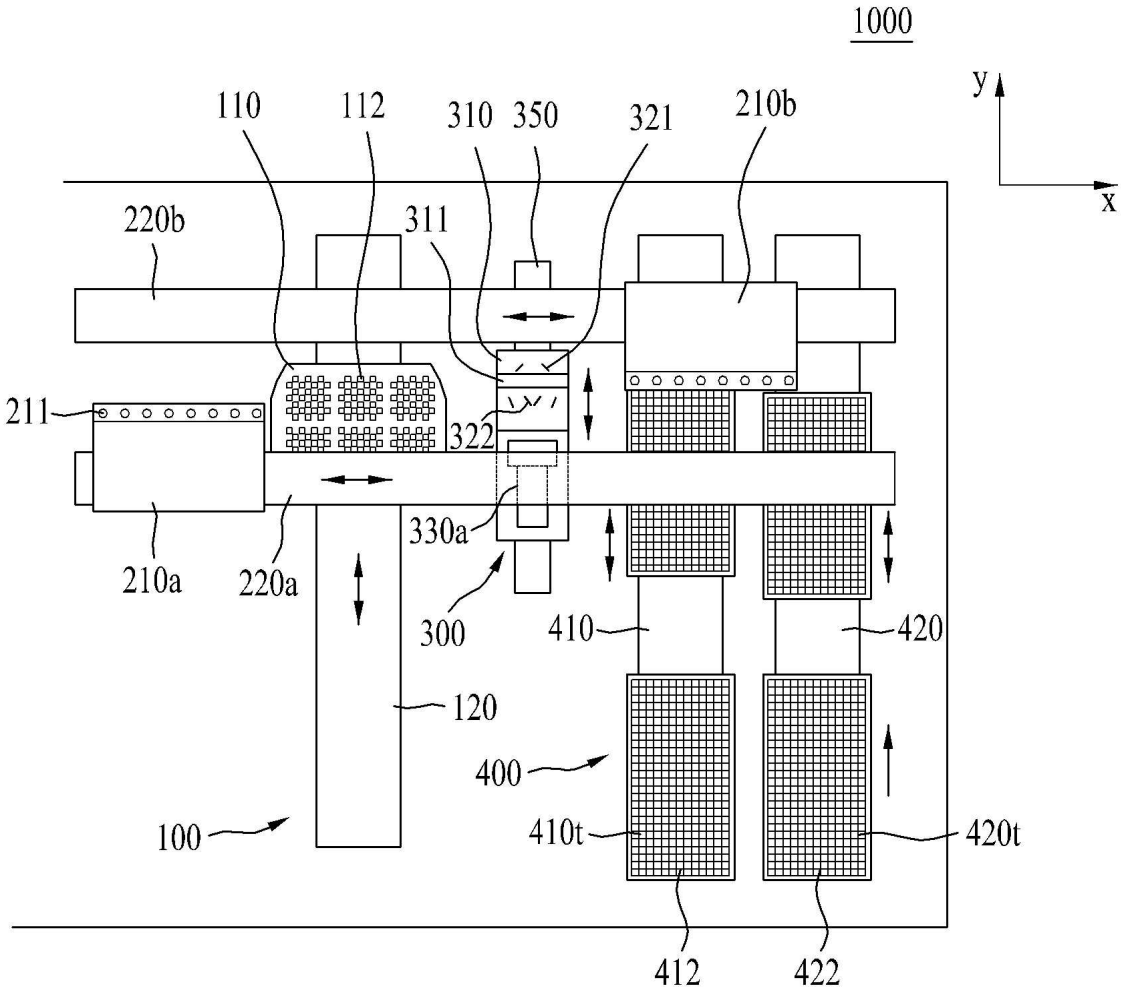


Fig. 2

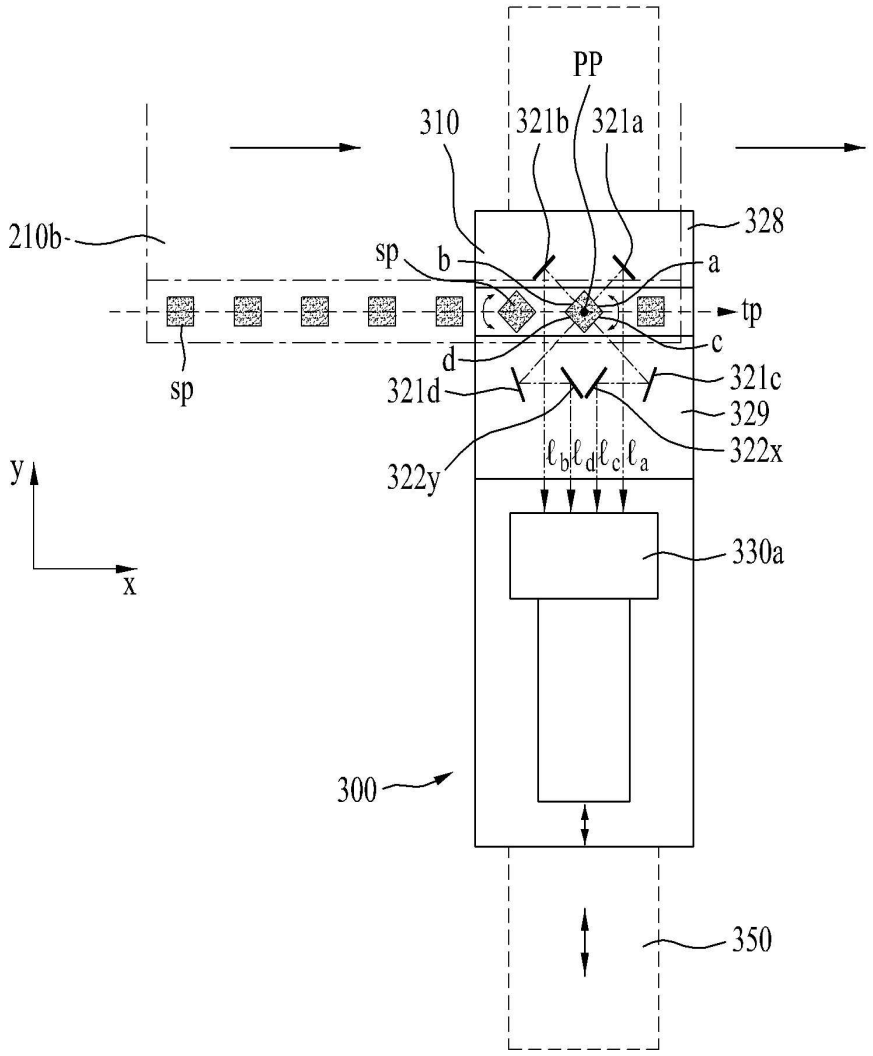

PP
310
321b
321a
328
210b
sp
b
a
tp
c
d
sp
321d
321c
329
322x
322y
ℓ_b ℓ_d ℓ_c ℓ_a
y
x
330a
300
350

Fig. 3

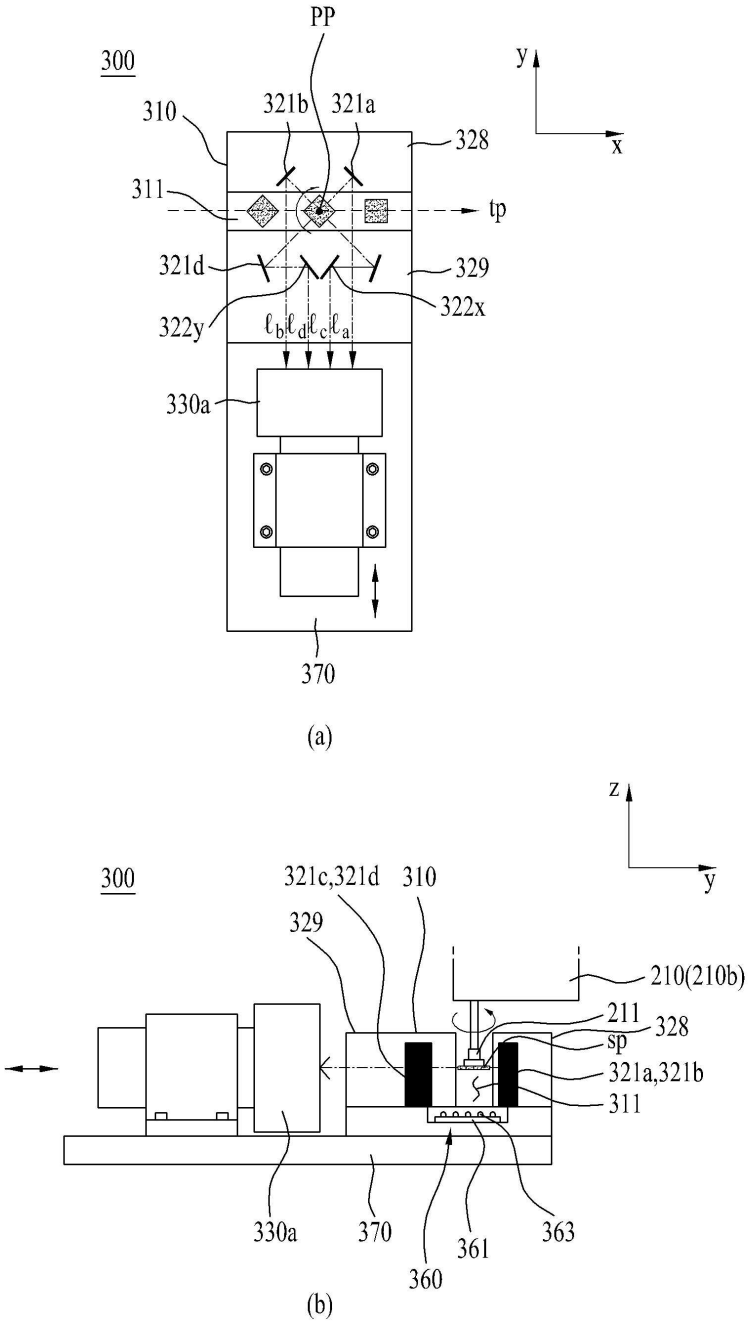

PP
300
y
x
310
321b
321a
328
311
tp
321d
329
322y
322x
ℓ_b ℓ_d ℓ_c ℓ_a
330a
370
(a)
z
y
300
321c,321d
310
329
210(210b)
211
328
sp
321a,321b
311
330a
370
360
361
363
(b)

Fig. 4

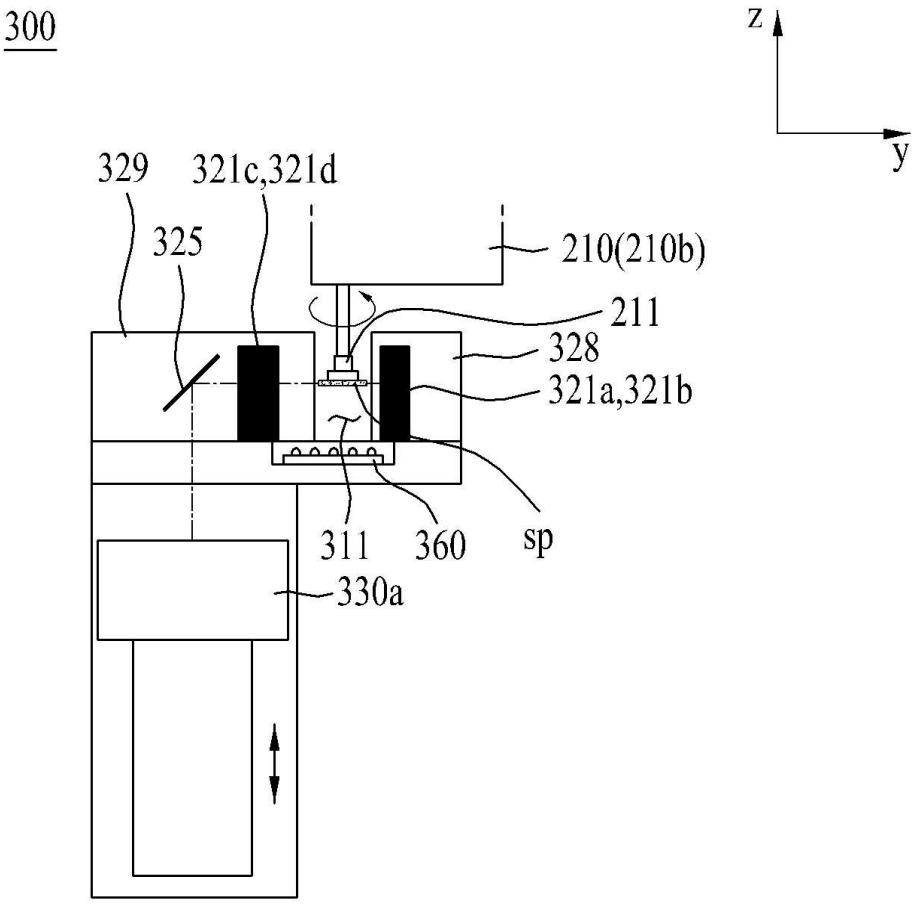

300
z
y
329
321c,321d
325
210(210b)
211
328
321a,321b
311
360
sp
330a

Fig. 5

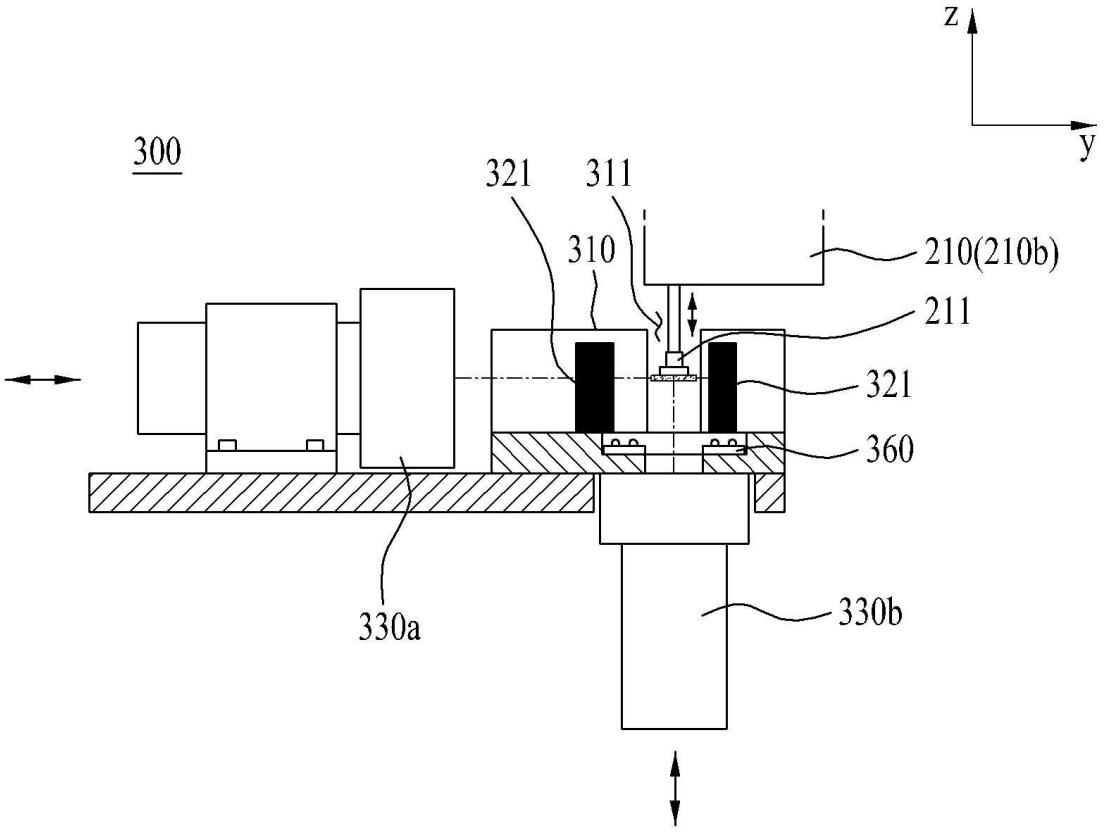


Fig. 6

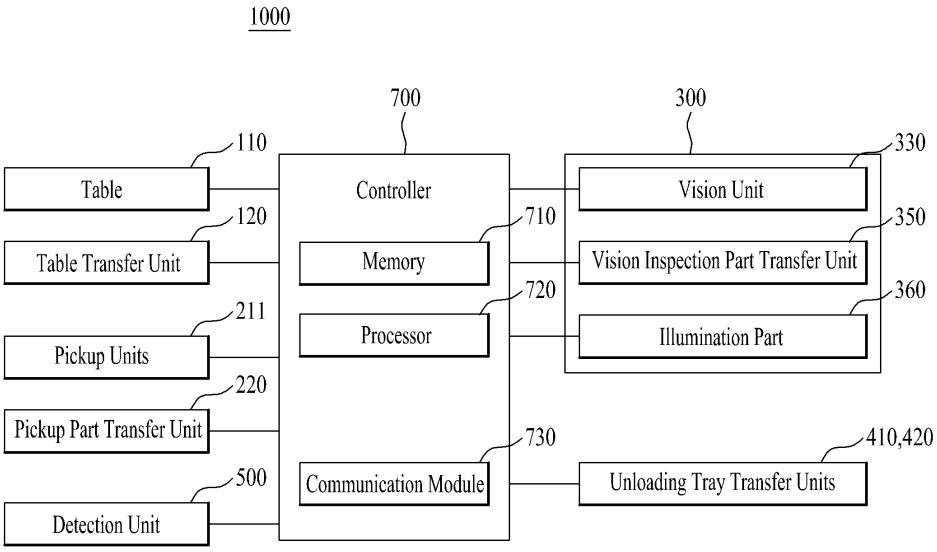
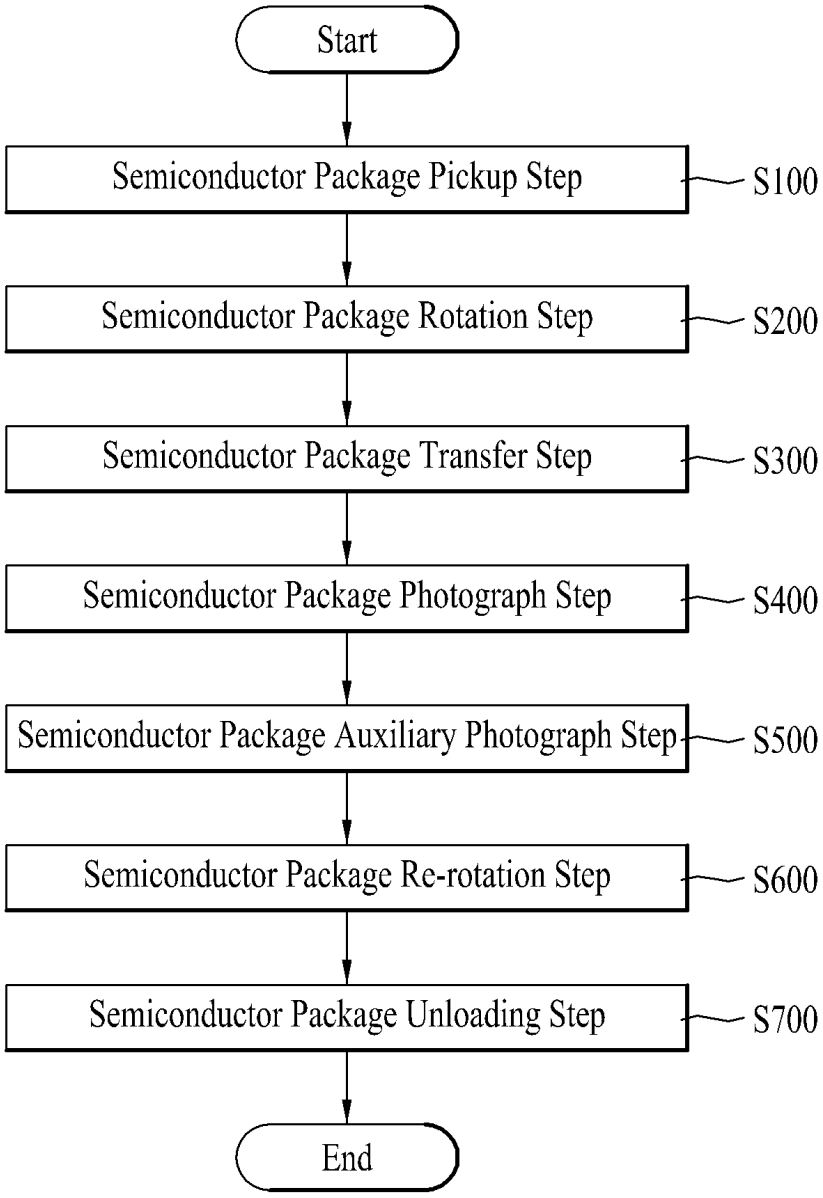

1000
700
300
110
330
Table
Controller
Vision Unit
120
710
350
Table Transfer Unit
Memory
Vision Inspection Part Transfer Unit
720
360
211
Processor
Illumination Part
Pickup Units
220
730
410,420
Pickup Part Transfer Unit
Communication Module
Unloading Tray Transfer Units
500
Detection Unit

Fig. 7


Start
Semiconductor Package Pickup Step
S100
Semiconductor Package Rotation Step
S200
Semiconductor Package Transfer Step
S300
Semiconductor Package Photograph Step
S400
Semiconductor Package Auxiliary Photograph Step
S500
Semiconductor Package Re-rotation Step
S600
Semiconductor Package Unloading Step
S700
End