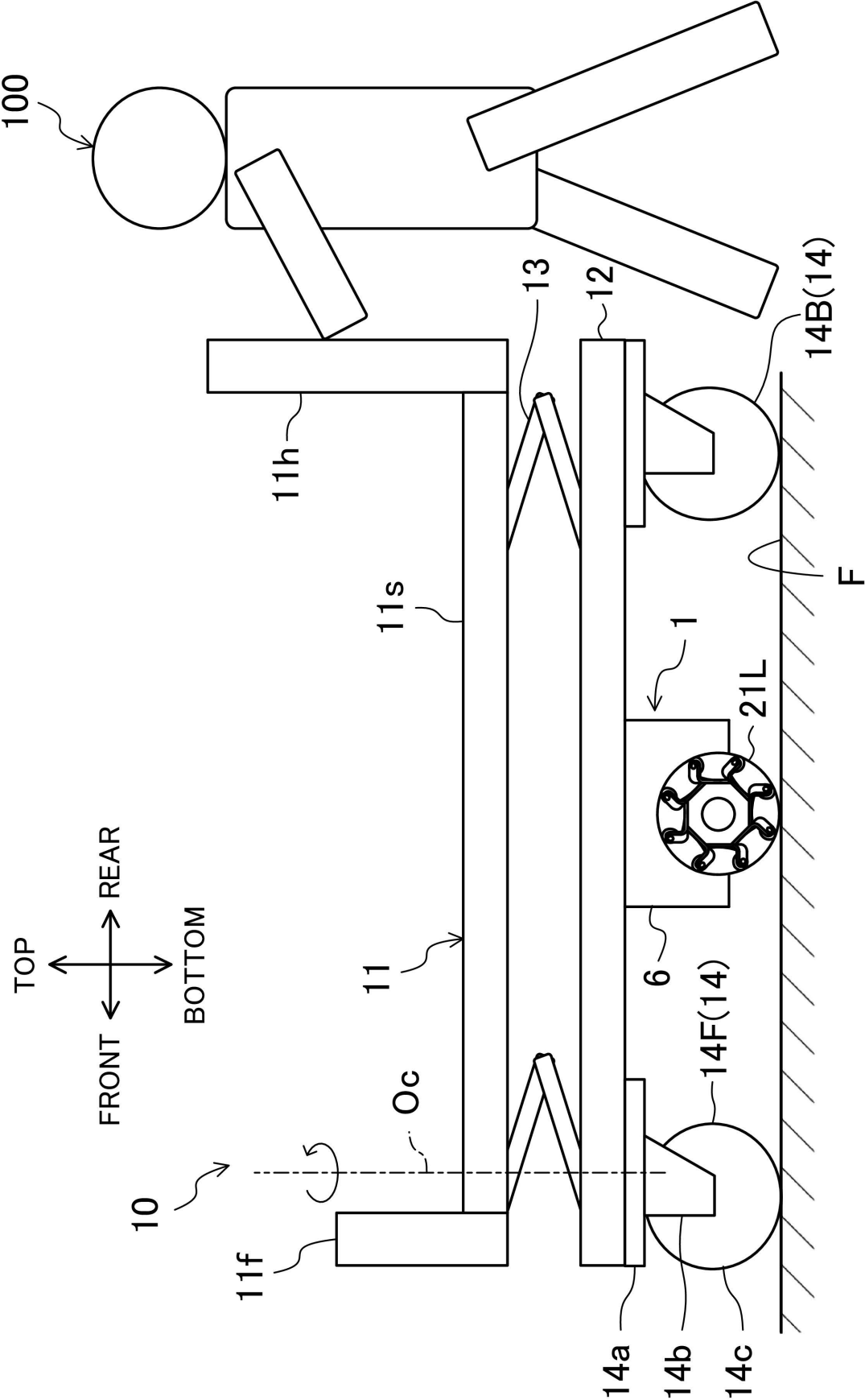


FIG.1



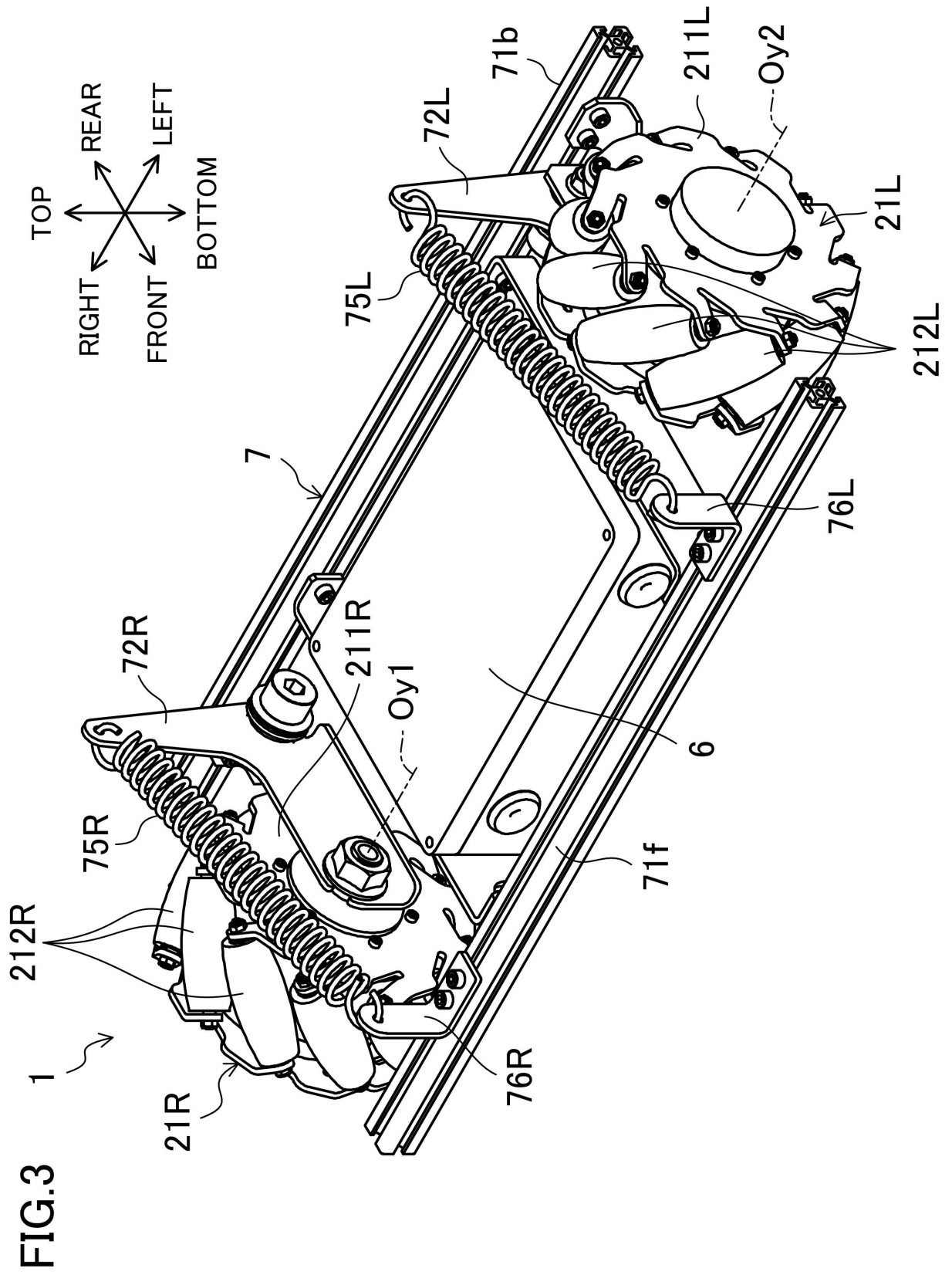


FIG.4

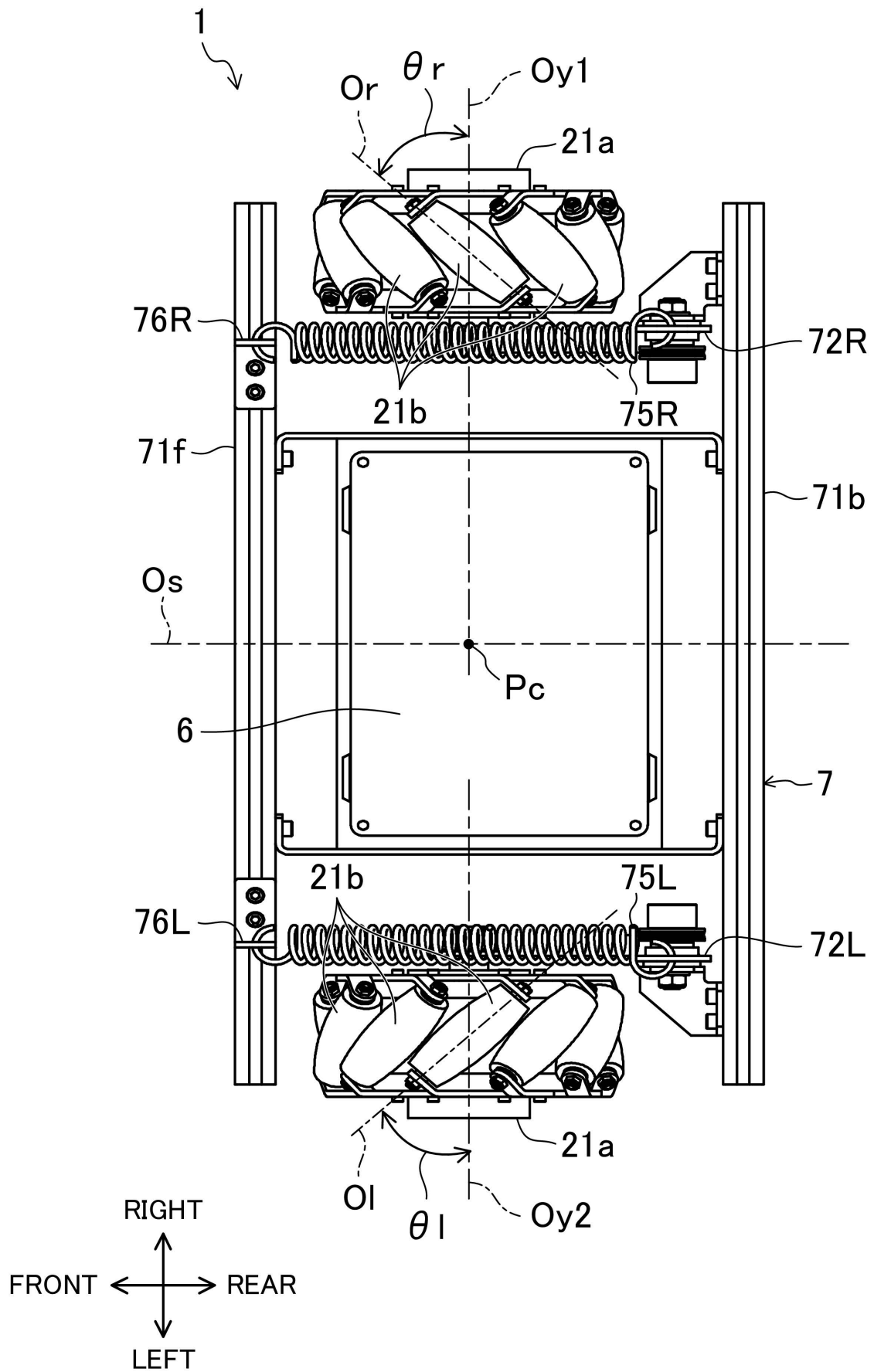


FIG.5

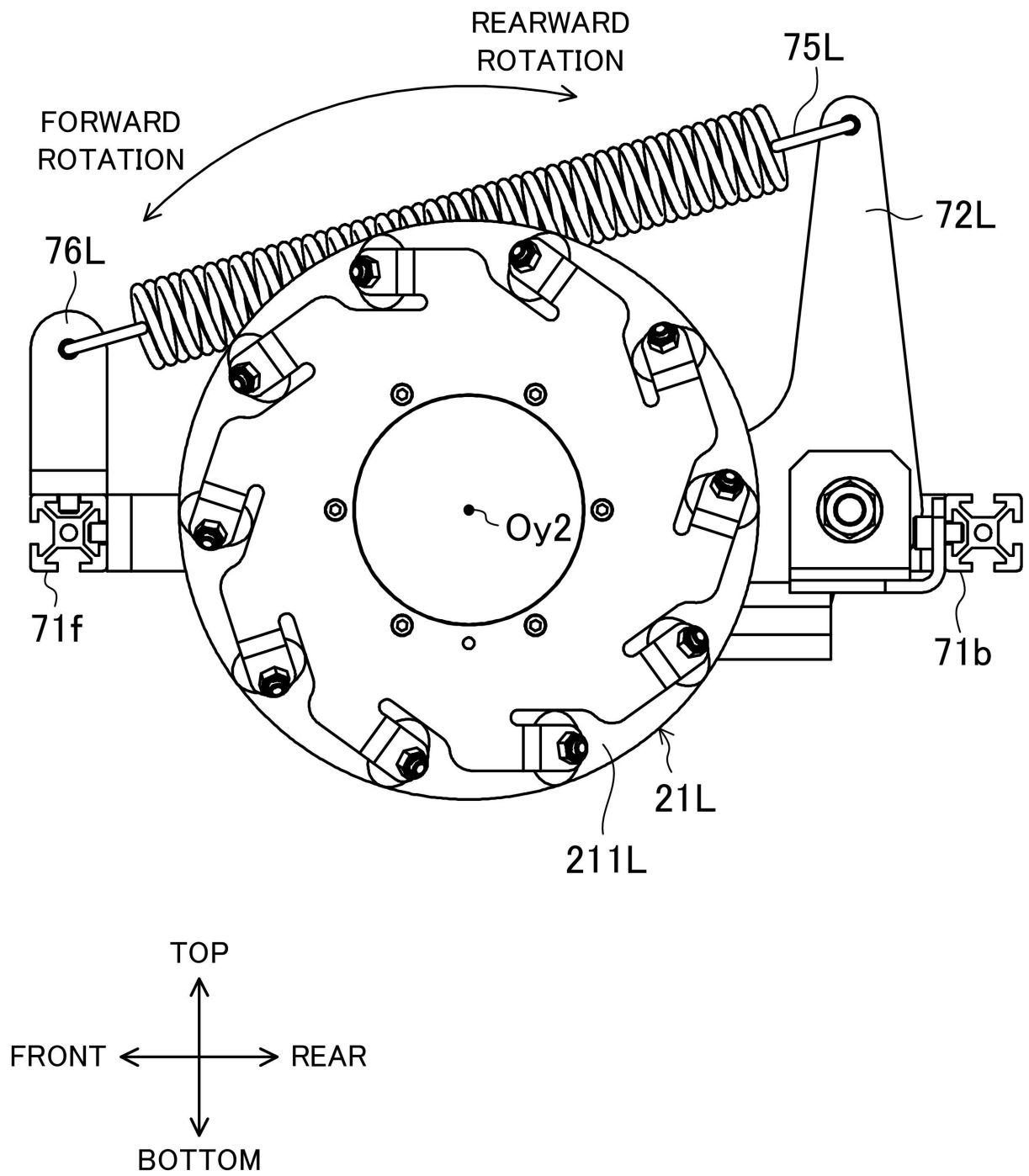


FIG.6

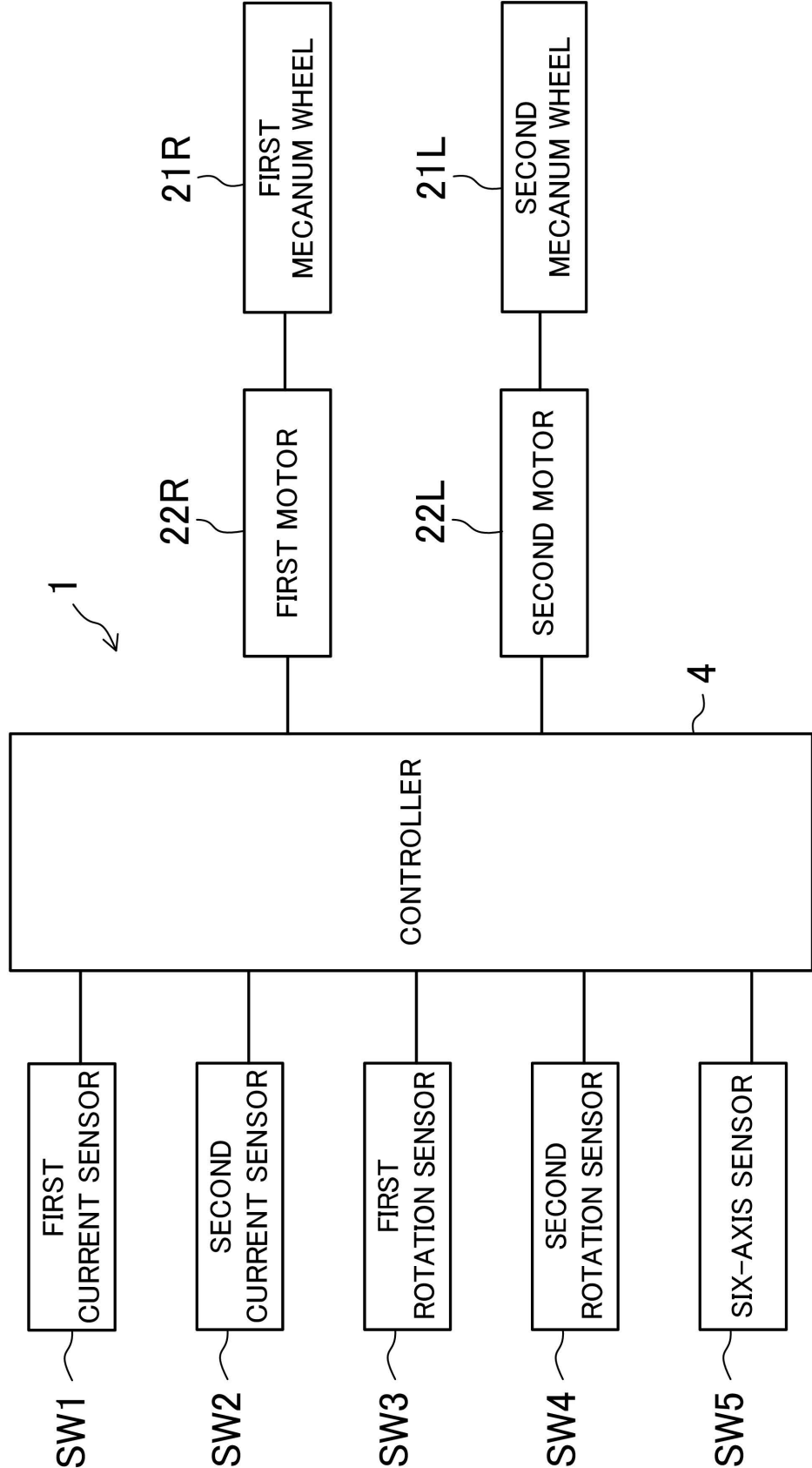


FIG. 7

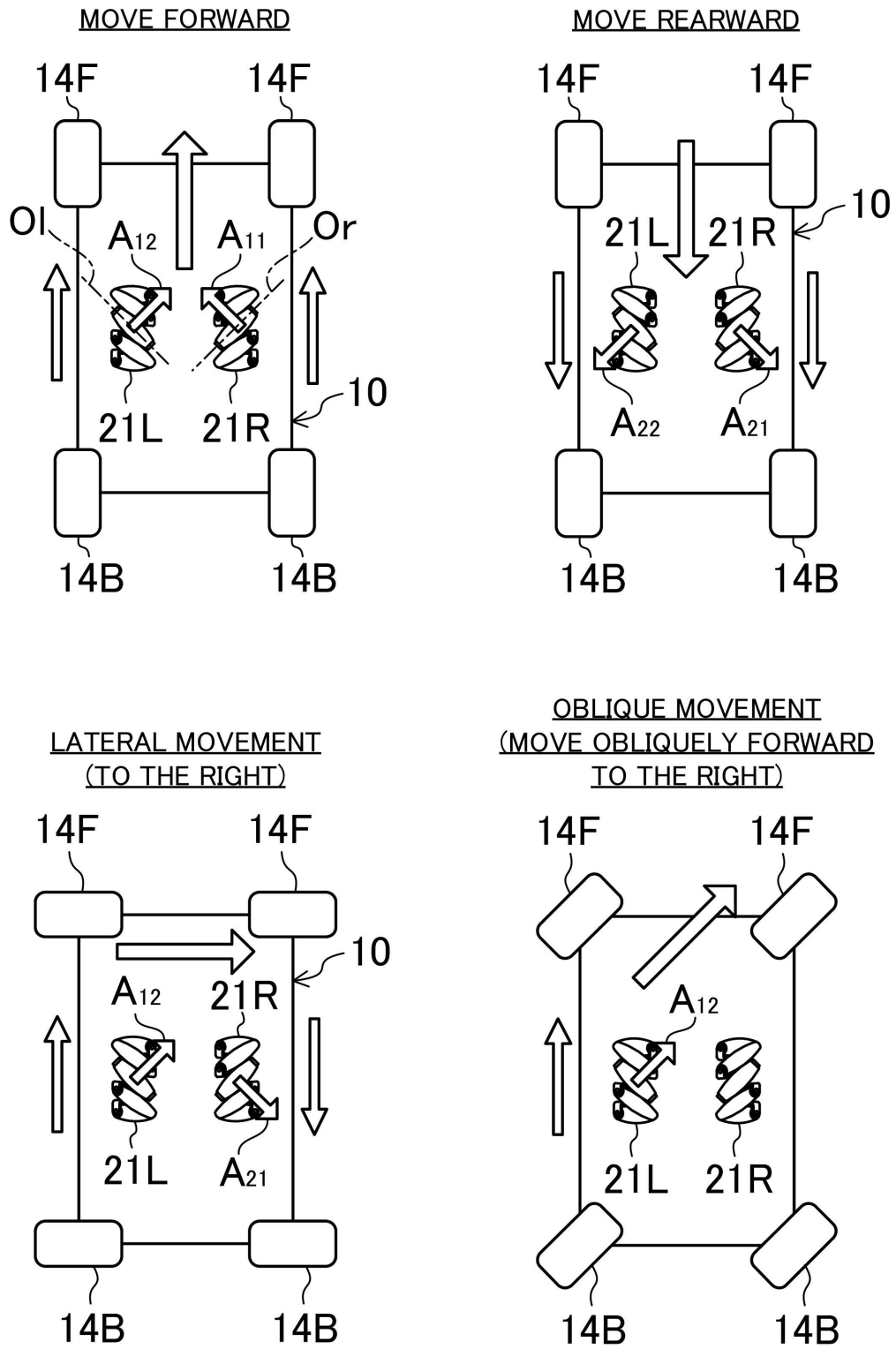


FIG.8

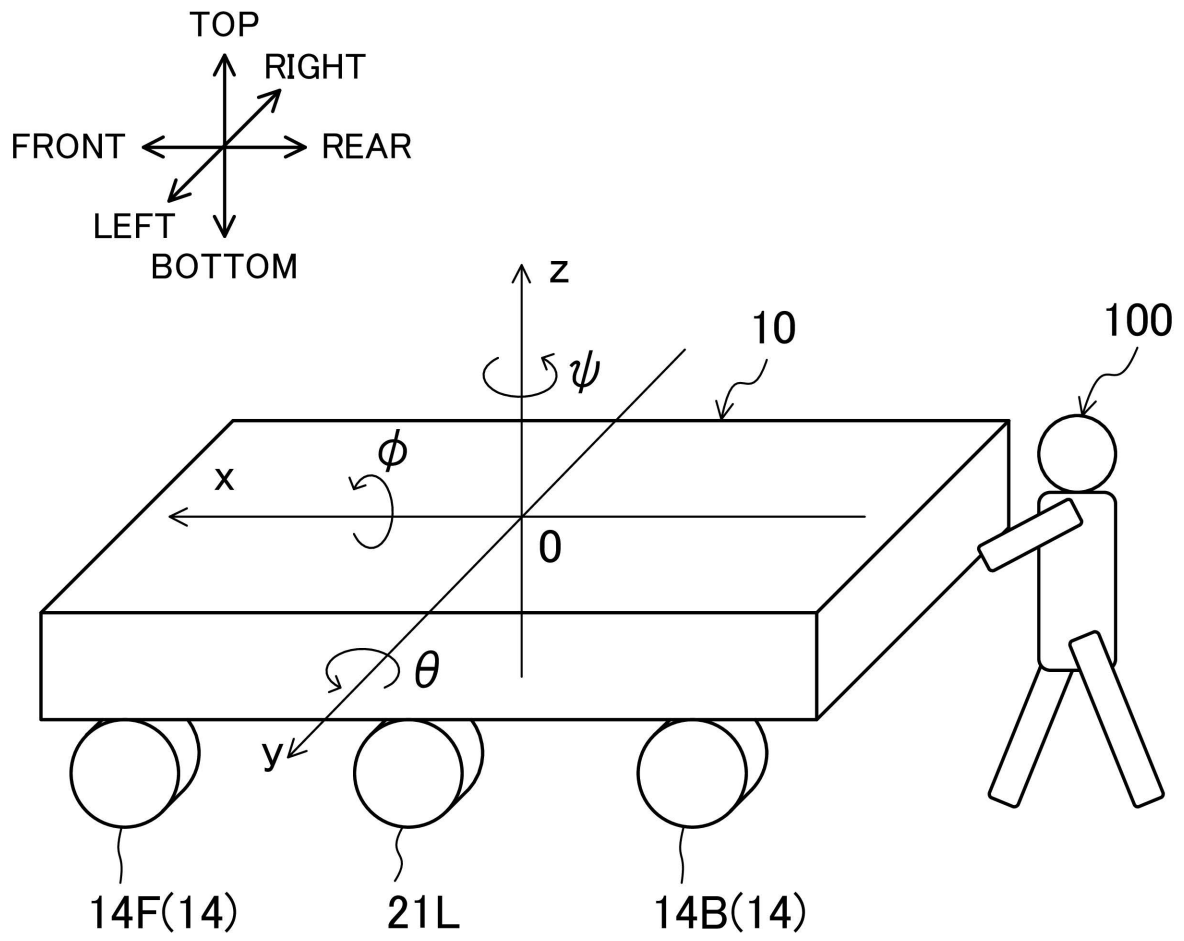


FIG.9

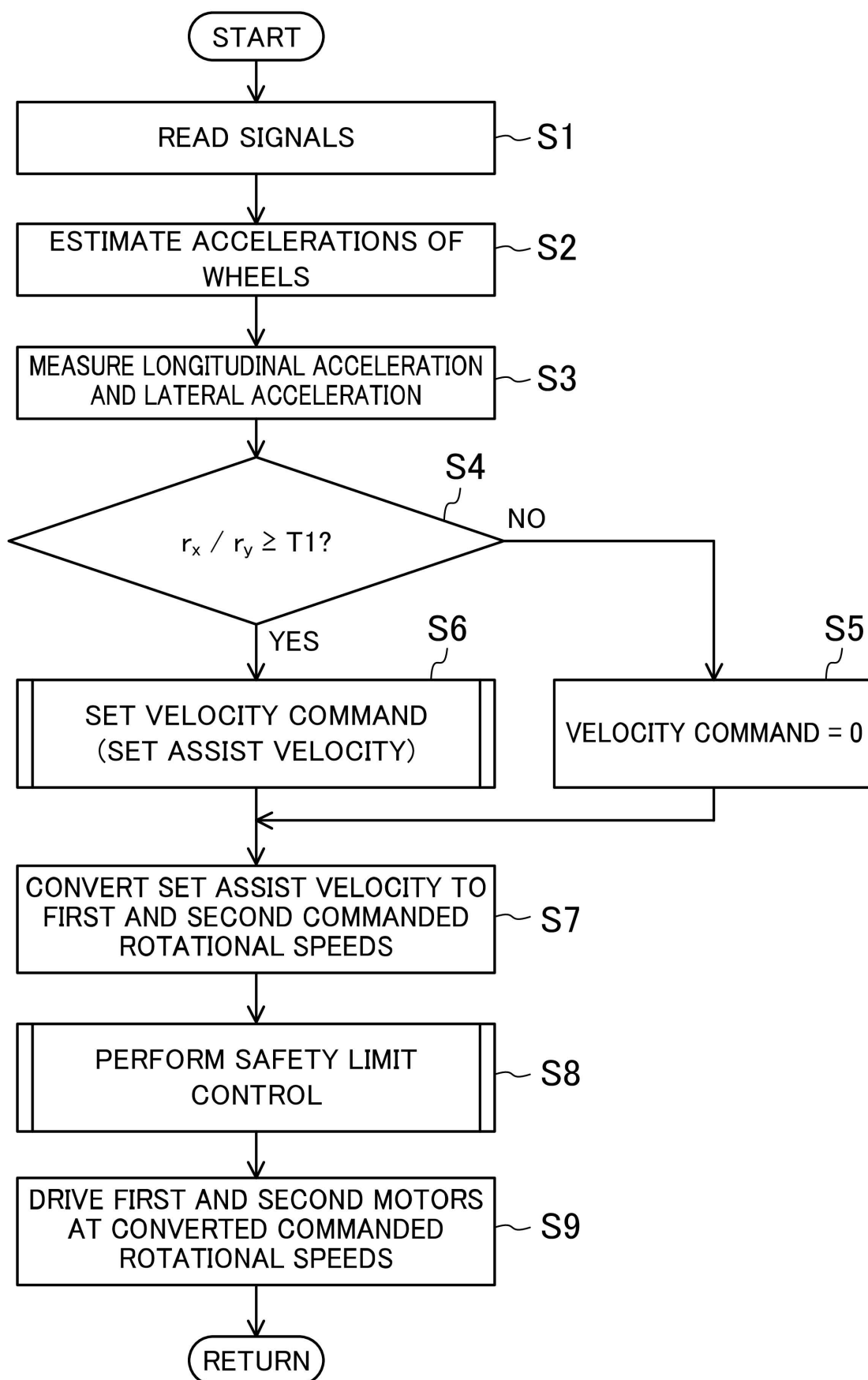


FIG.10

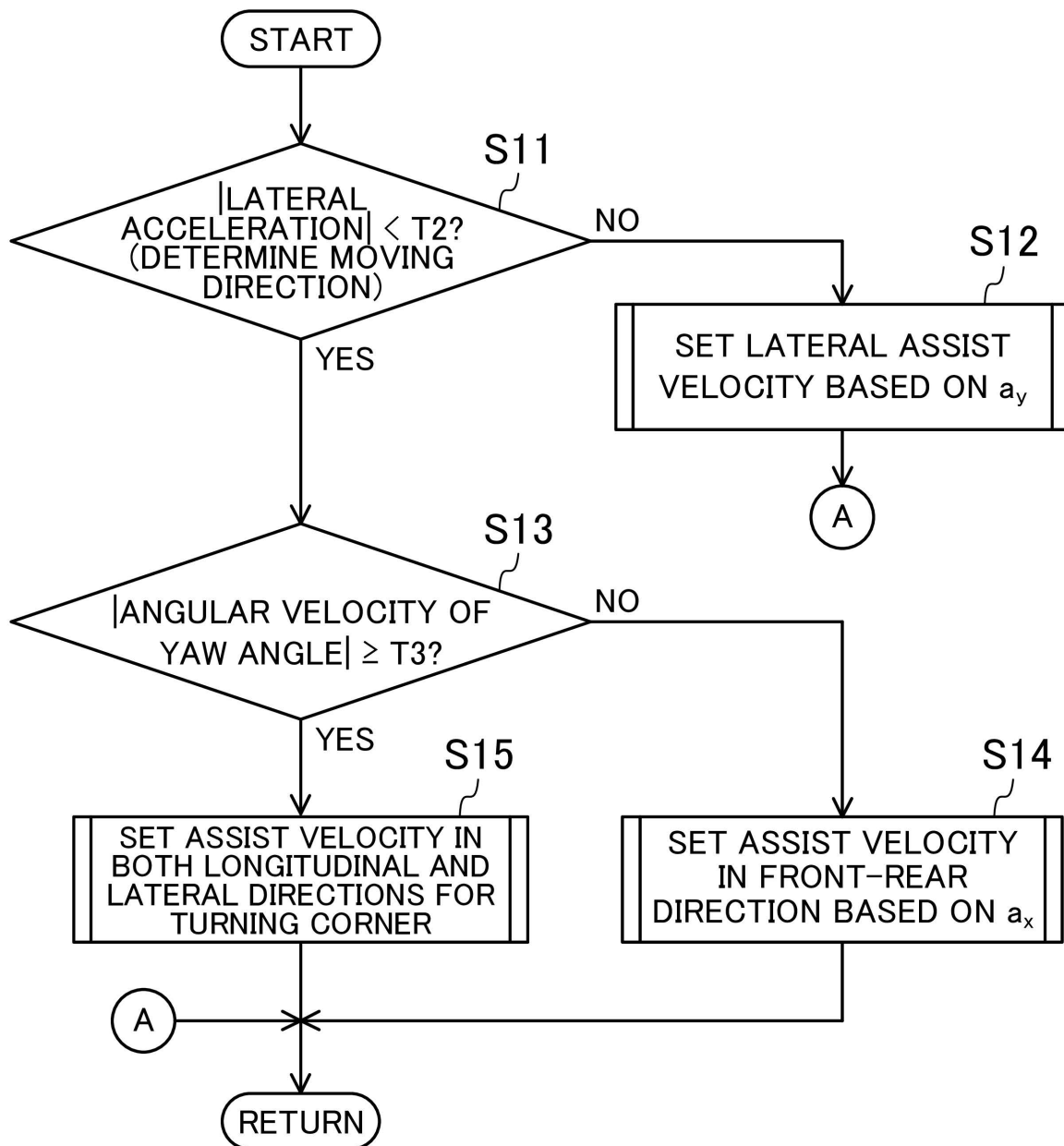


FIG.11

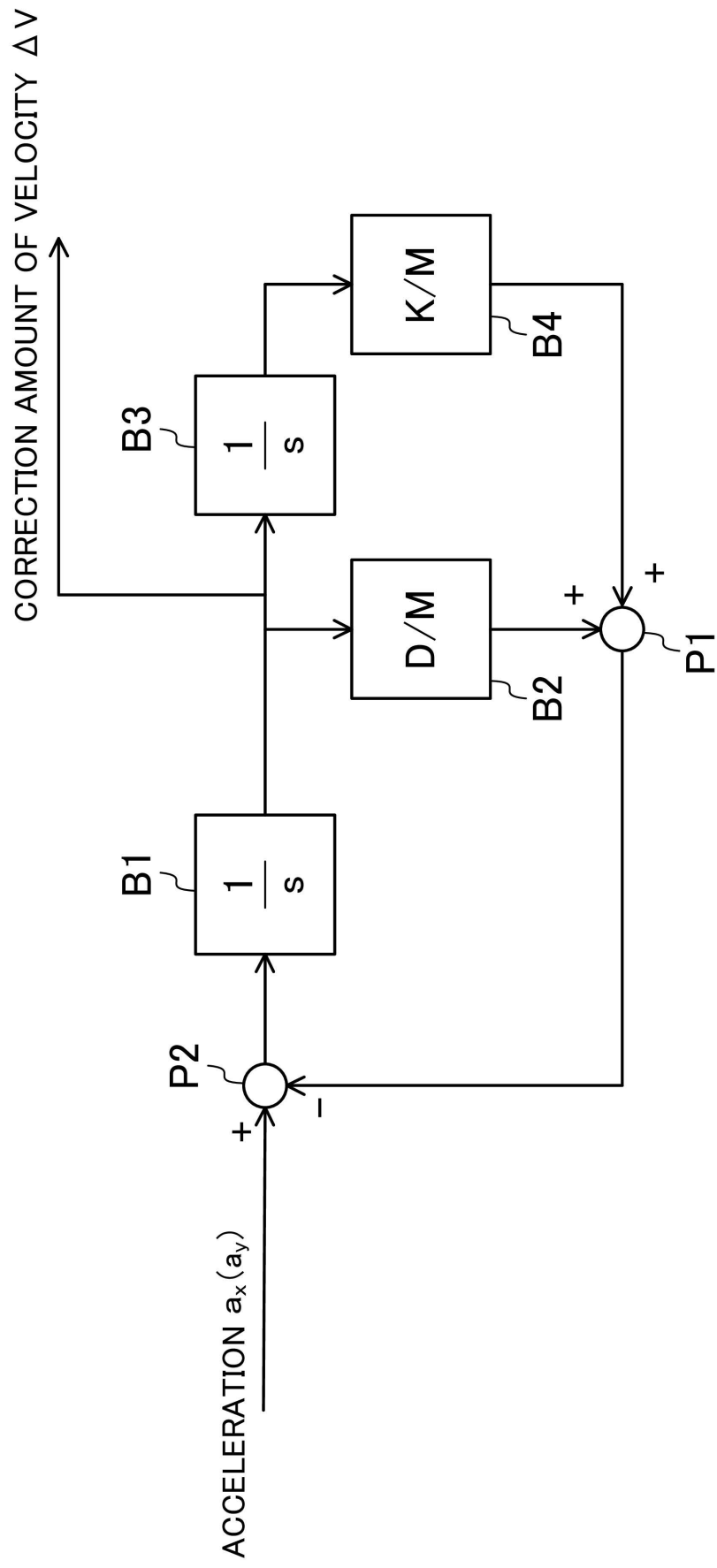
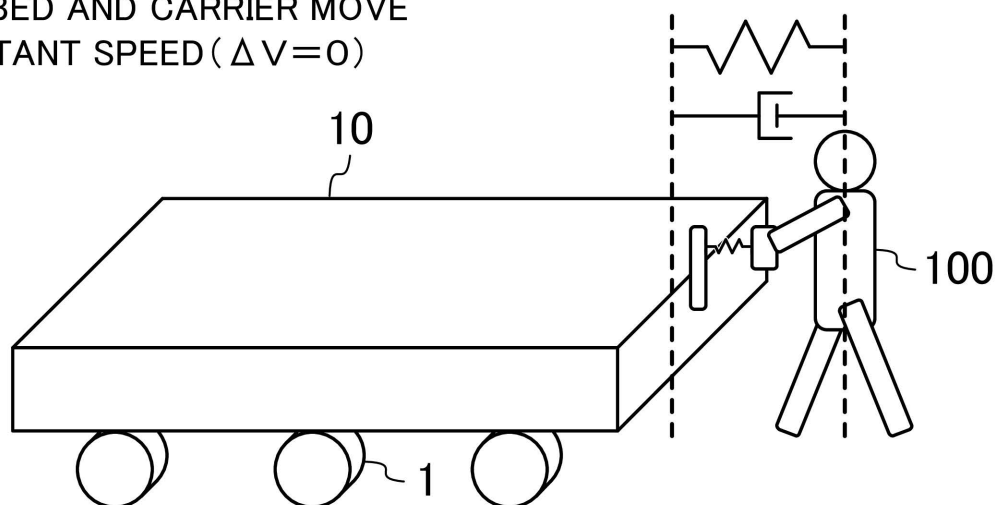
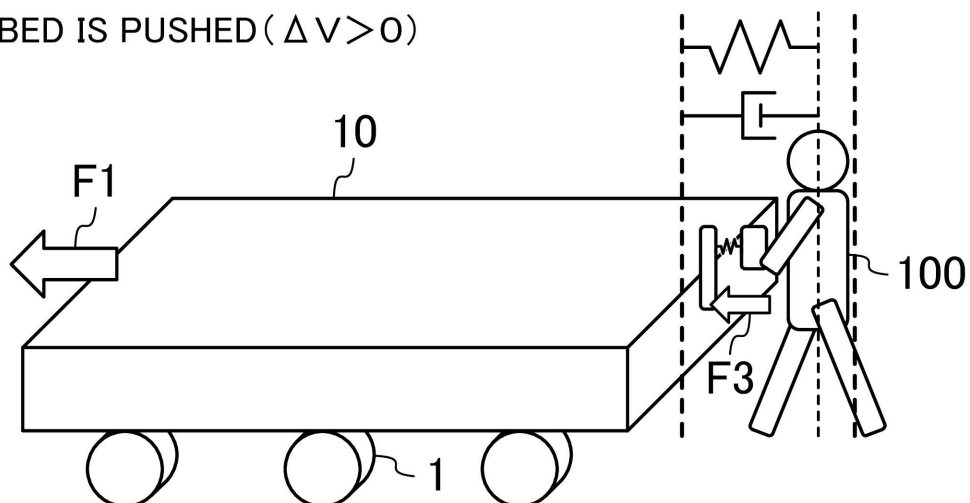


FIG.12

A: WHEN BED AND CARRIER MOVE
AT CONSTANT SPEED ($\Delta V=0$)



B: WHEN BED IS PUSHED ($\Delta V>0$)



C: WHEN BED IS PULLED ($\Delta V<0$)

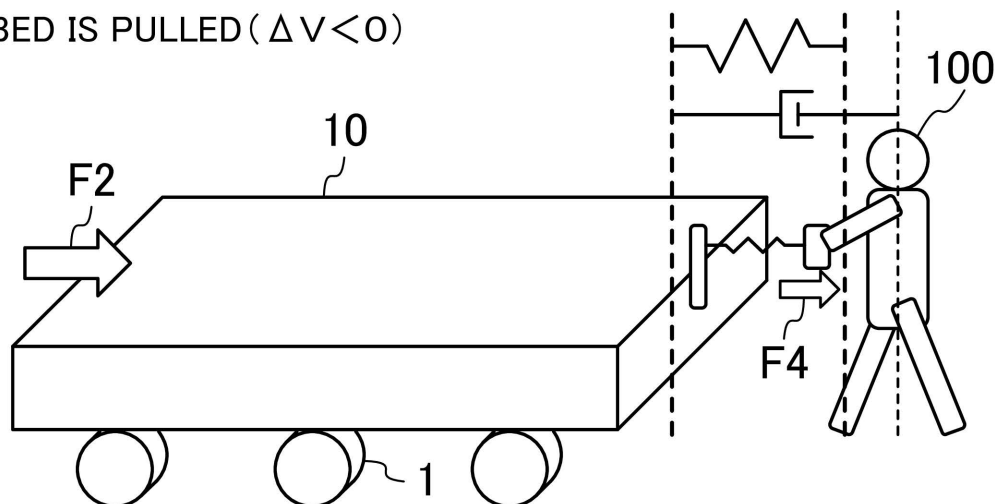


FIG.13

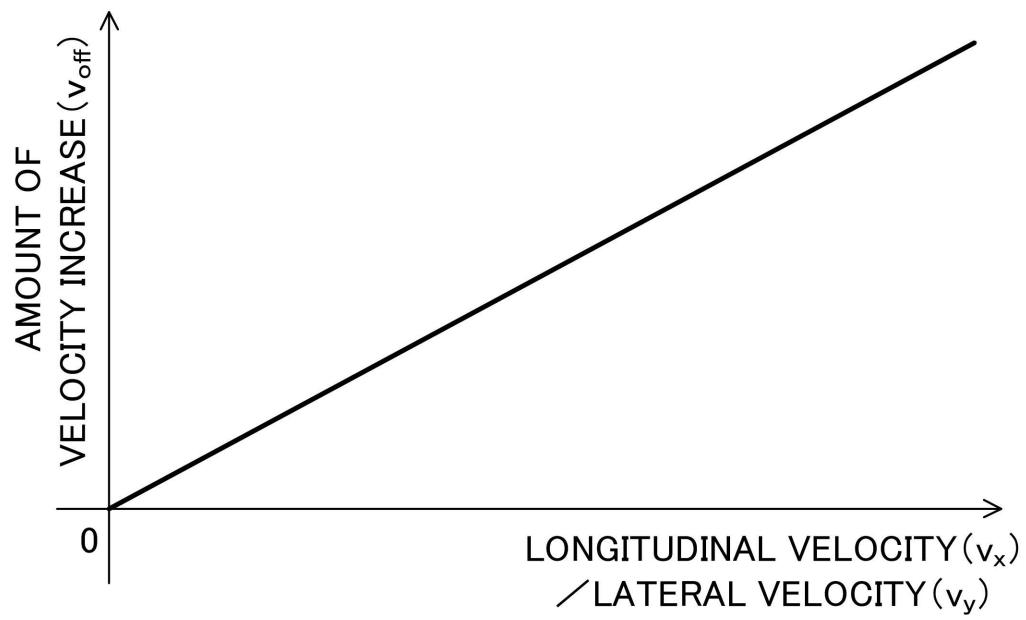


FIG.14

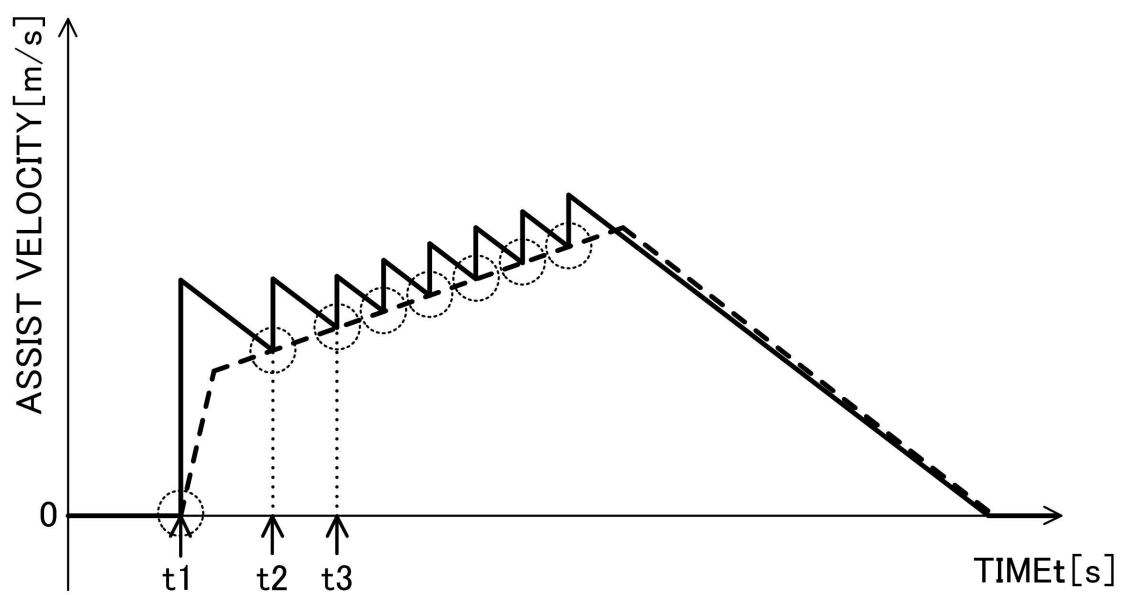


FIG.15

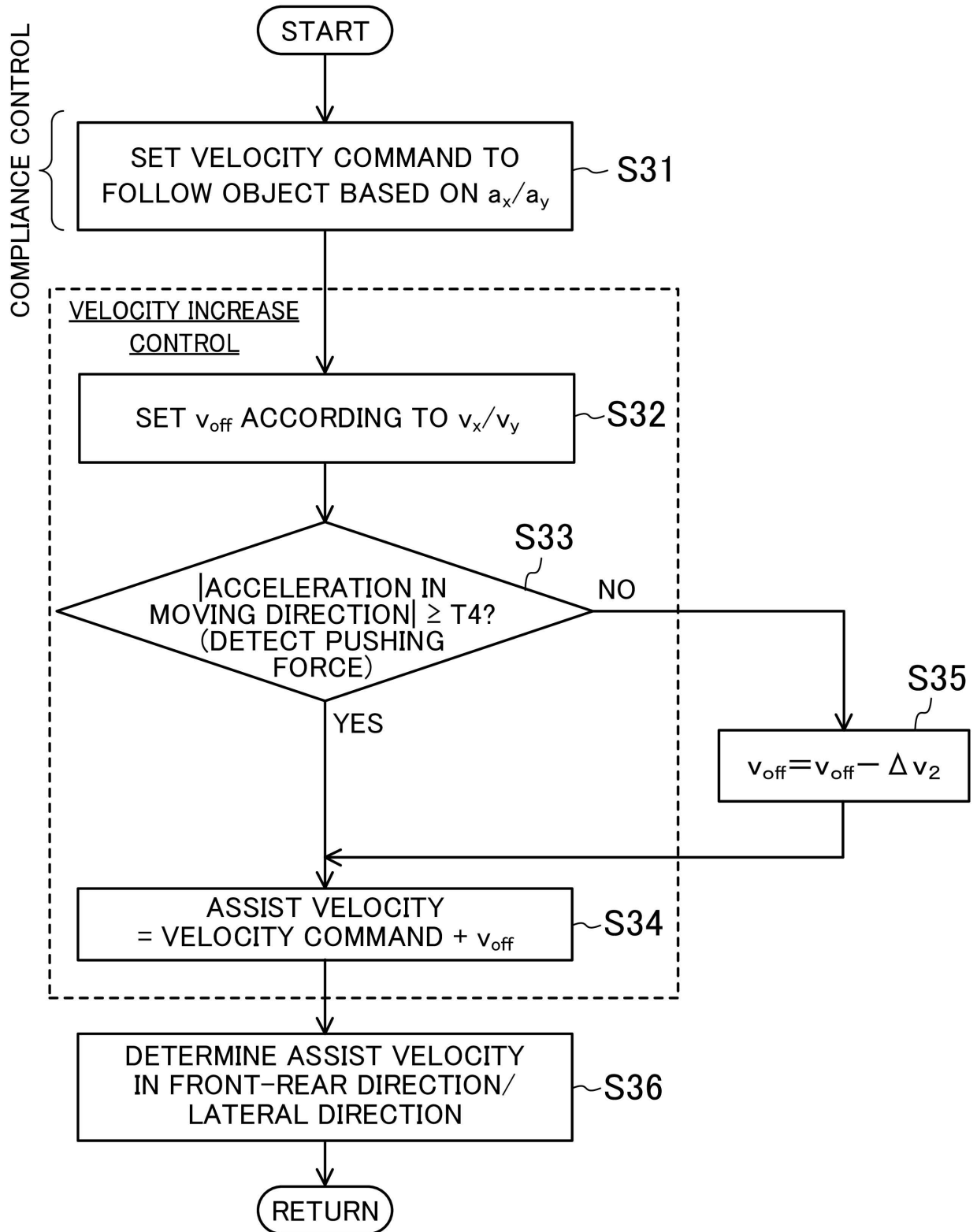


FIG.16

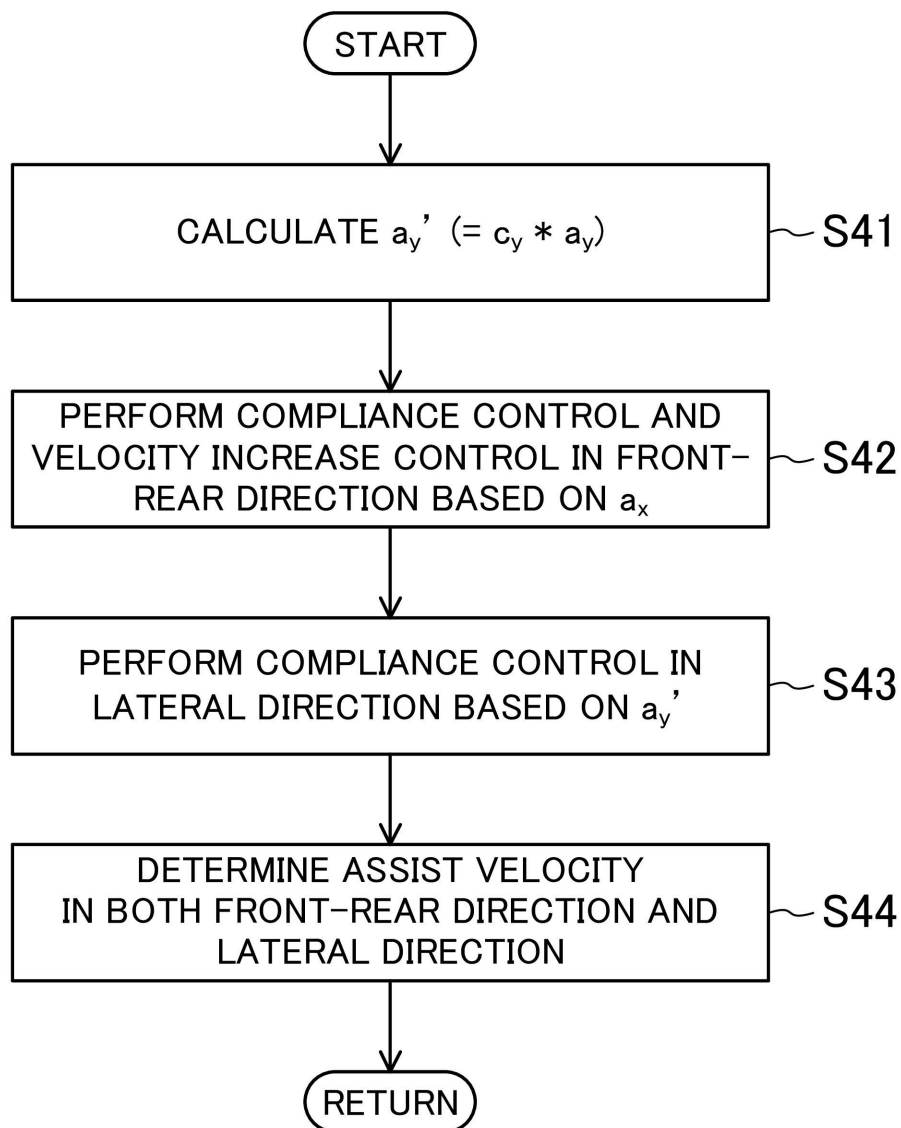


FIG.17

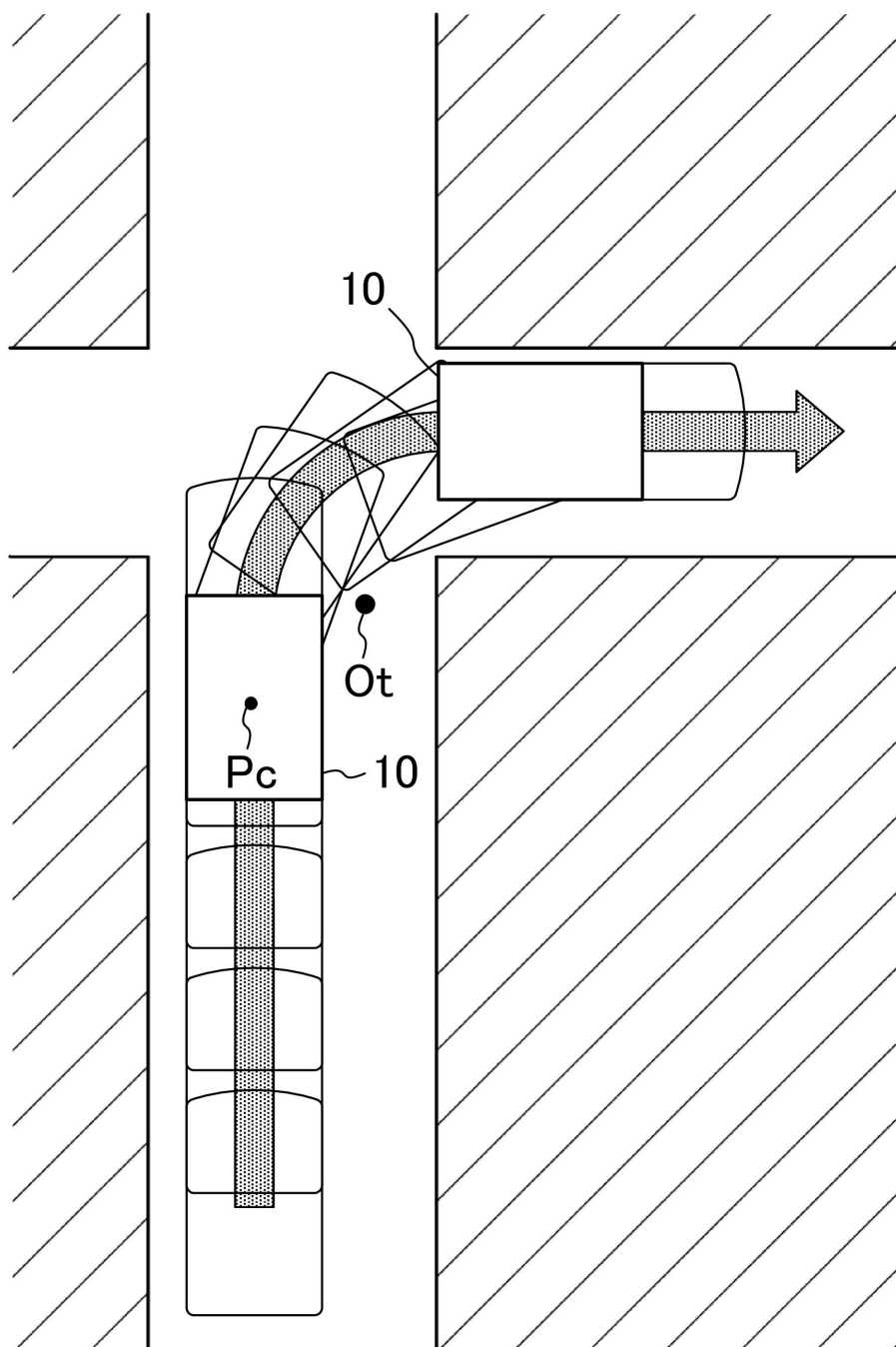


FIG.18

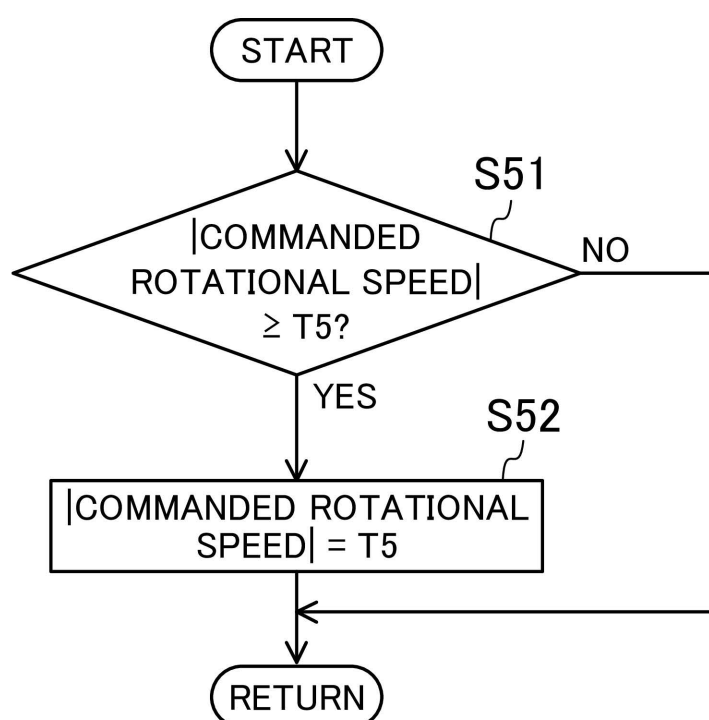


FIG.19

