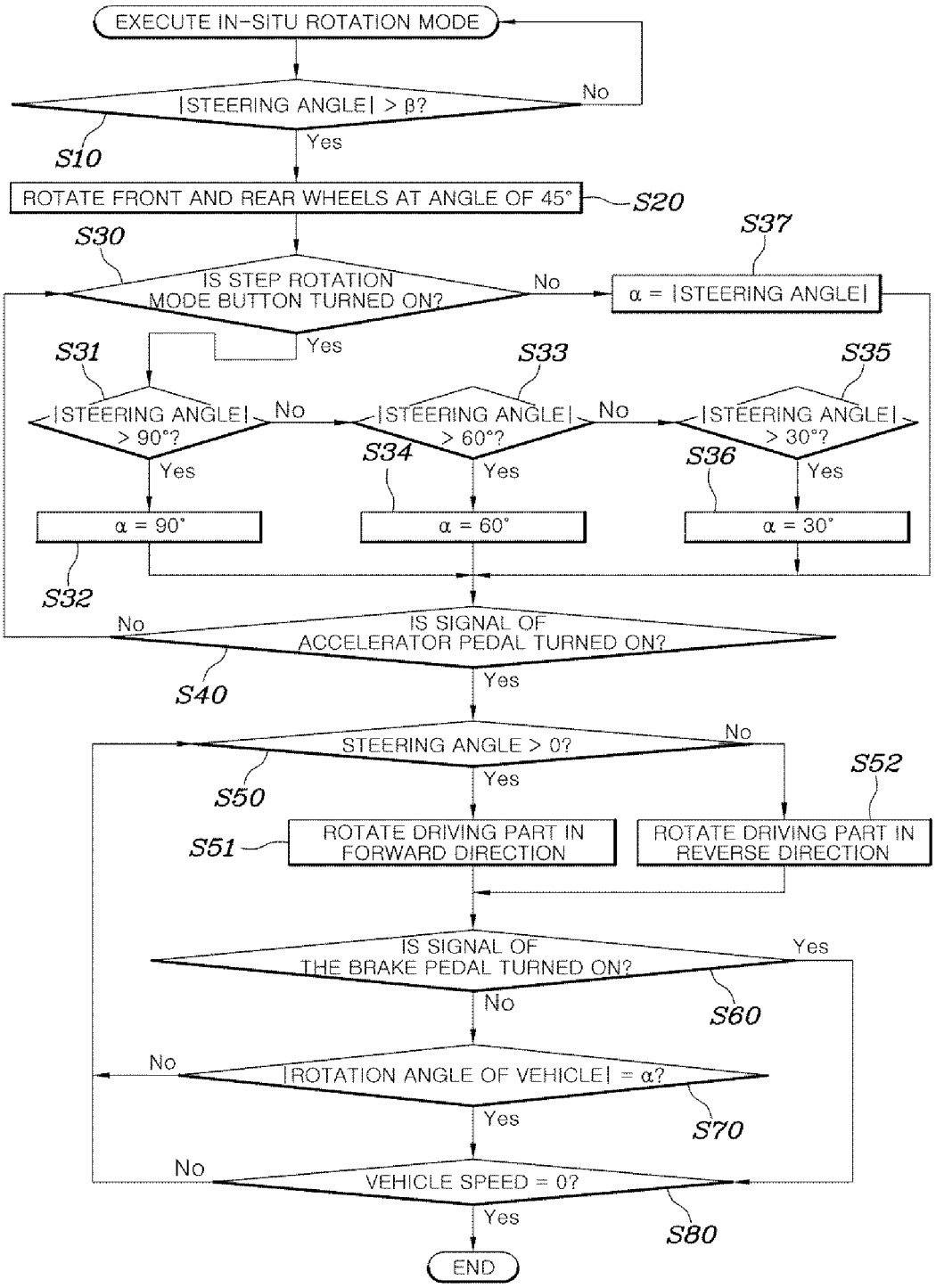
FIG. 9


EXECUTE IN-SITU ROTATION MODE
|STEERING ANGLE| > β?
No
Yes
S10
ROTATE FRONT AND REAR WHEELS AT ANGLE OF 45°
S20
S30
IS STEP ROTATION MODE BUTTON TURNED ON?
No
S37
α = |STEERING ANGLE|
Yes
S31
|STEERING ANGLE| > 90°?
No
Yes
S33
|STEERING ANGLE| > 60°?
No
Yes
S35
|STEERING ANGLE| > 30°?
Yes
S34
S36
α = 90°
α = 60°
α = 30°
S32
No
IS SIGNAL OF ACCELERATOR PEDAL TURNED ON?
Yes
S40
STEERING ANGLE > 0?
No
Yes
S50
S52
S51
ROTATE DRIVING PART IN FORWARD DIRECTION
ROTATE DRIVING PART IN REVERSE DIRECTION
IS SIGNAL OF THE BRAKE PEDAL TURNED ON?
Yes
No
S60
No
|ROTATION ANGLE OF VEHICLE| = α?
Yes
S70
No
VEHICLE SPEED = 0?
Yes
S80
END