

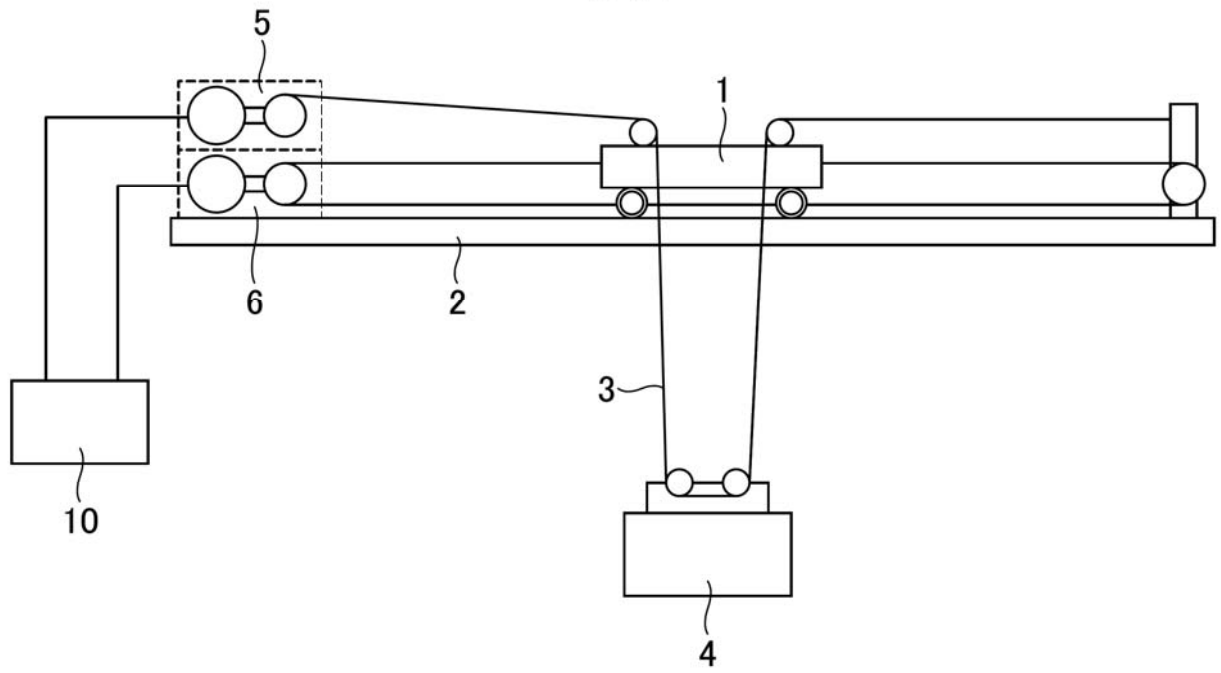


FIG.1

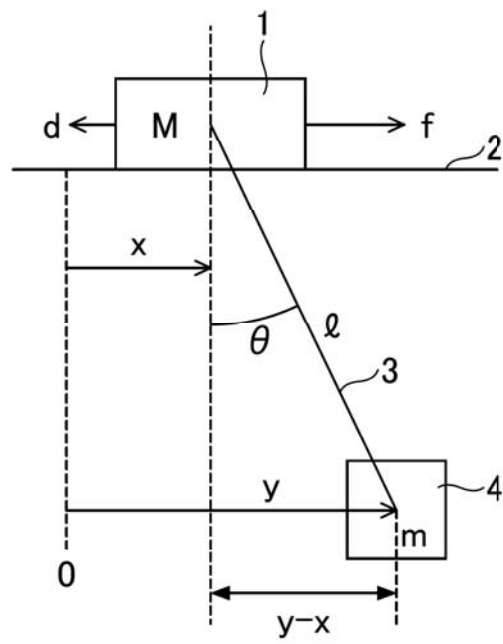


FIG.2

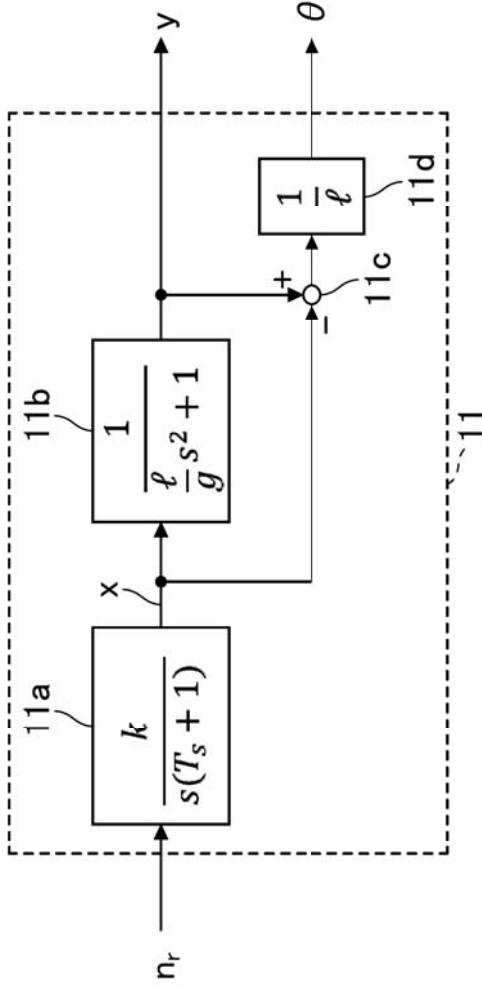


FIG.3

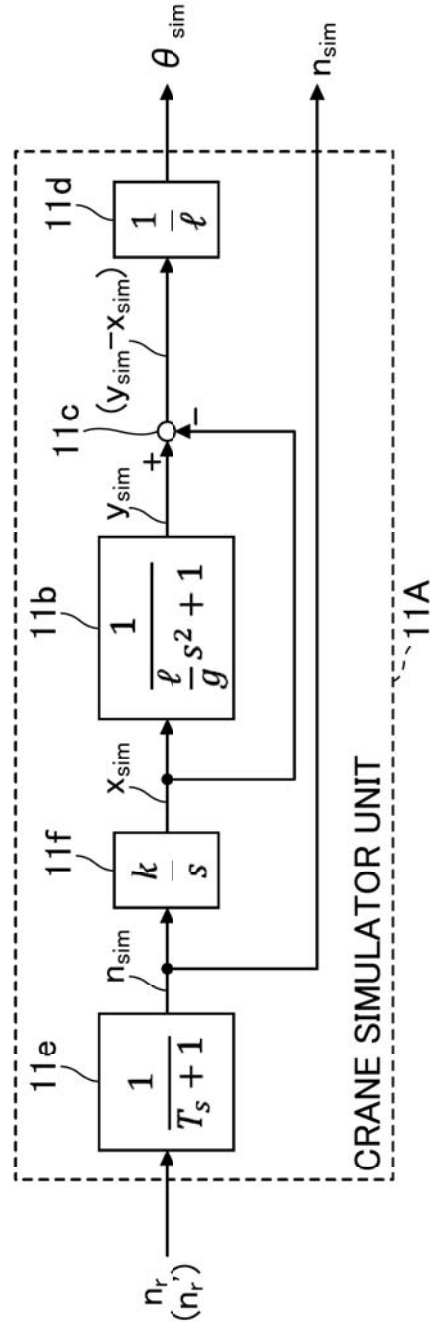


FIG.4

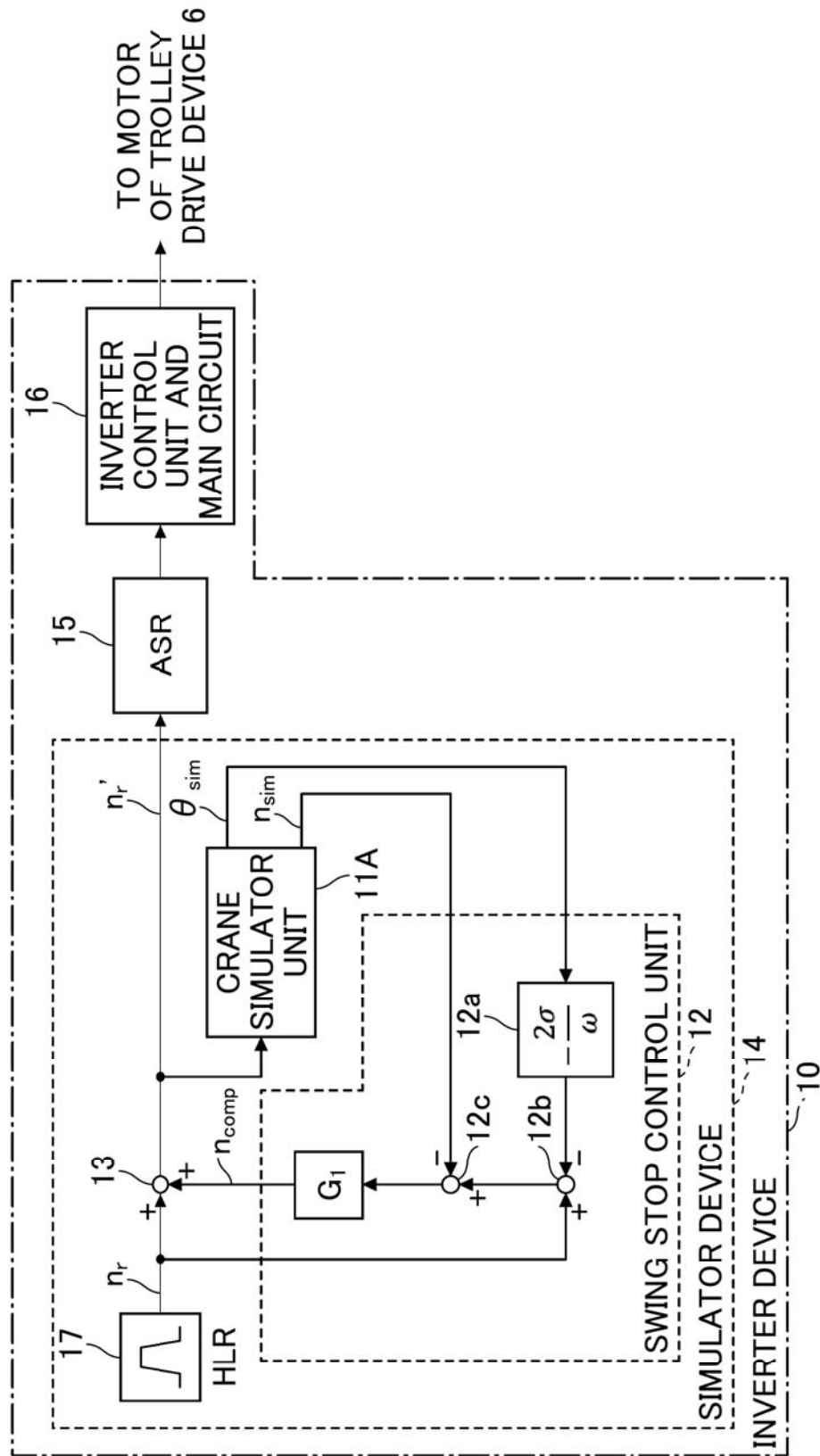


FIG.5

ITEM	NUMERICAL VALUE
WEIGHT OF GIRDER PART M'	10,600 [kg]
WEIGHT OF SUSPENDED LOAD m	2,000 [kg]
MAXIMUM SPEED (MOTOR)	40 [m/min] (1500 [r/min])
CAPACITY OF INVERTER/MOTOR	5.5 [kW]
ROPE LENGTH OF SUSPENDED LOAD ℓ	15 [m]

FIG.6

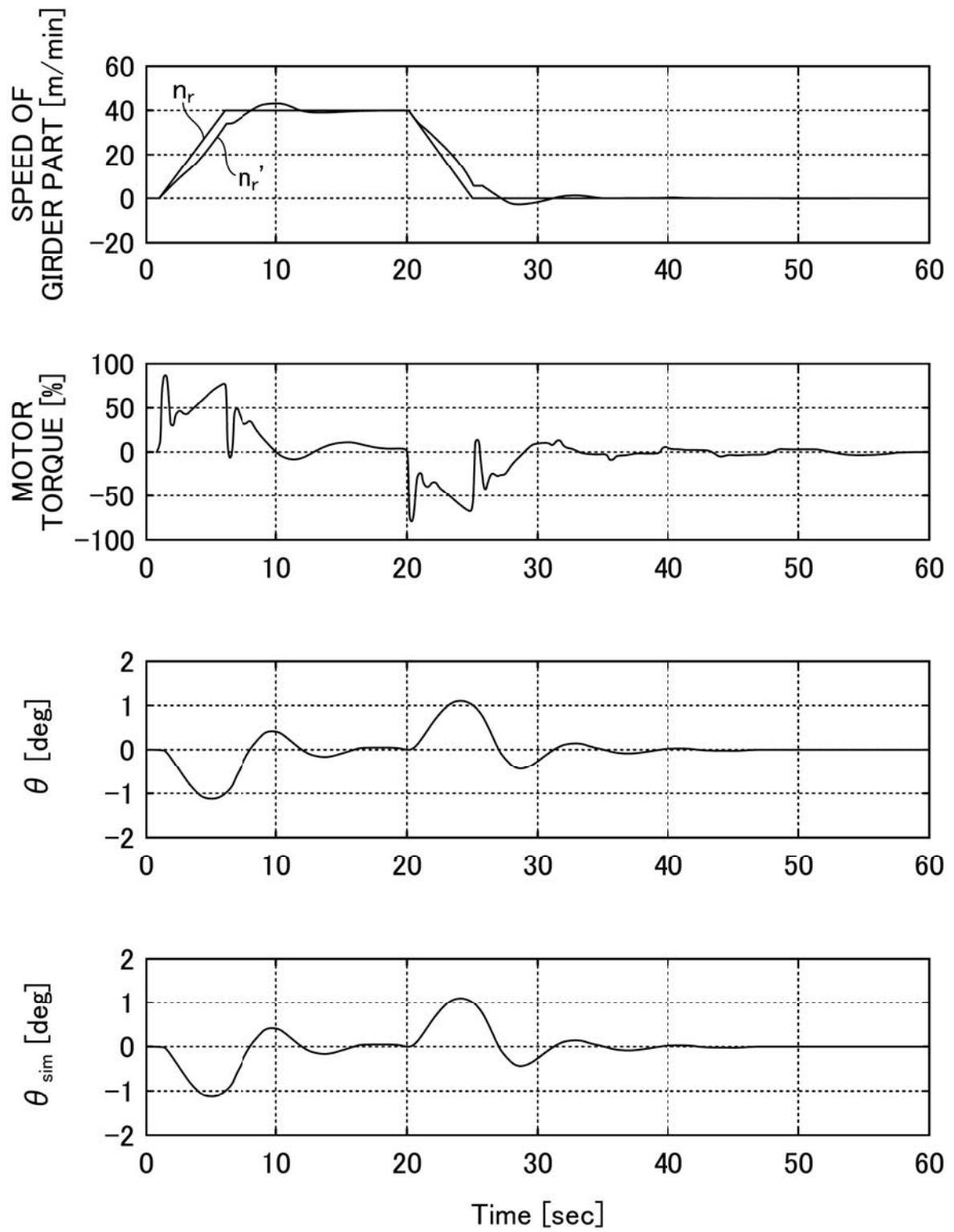


FIG.7

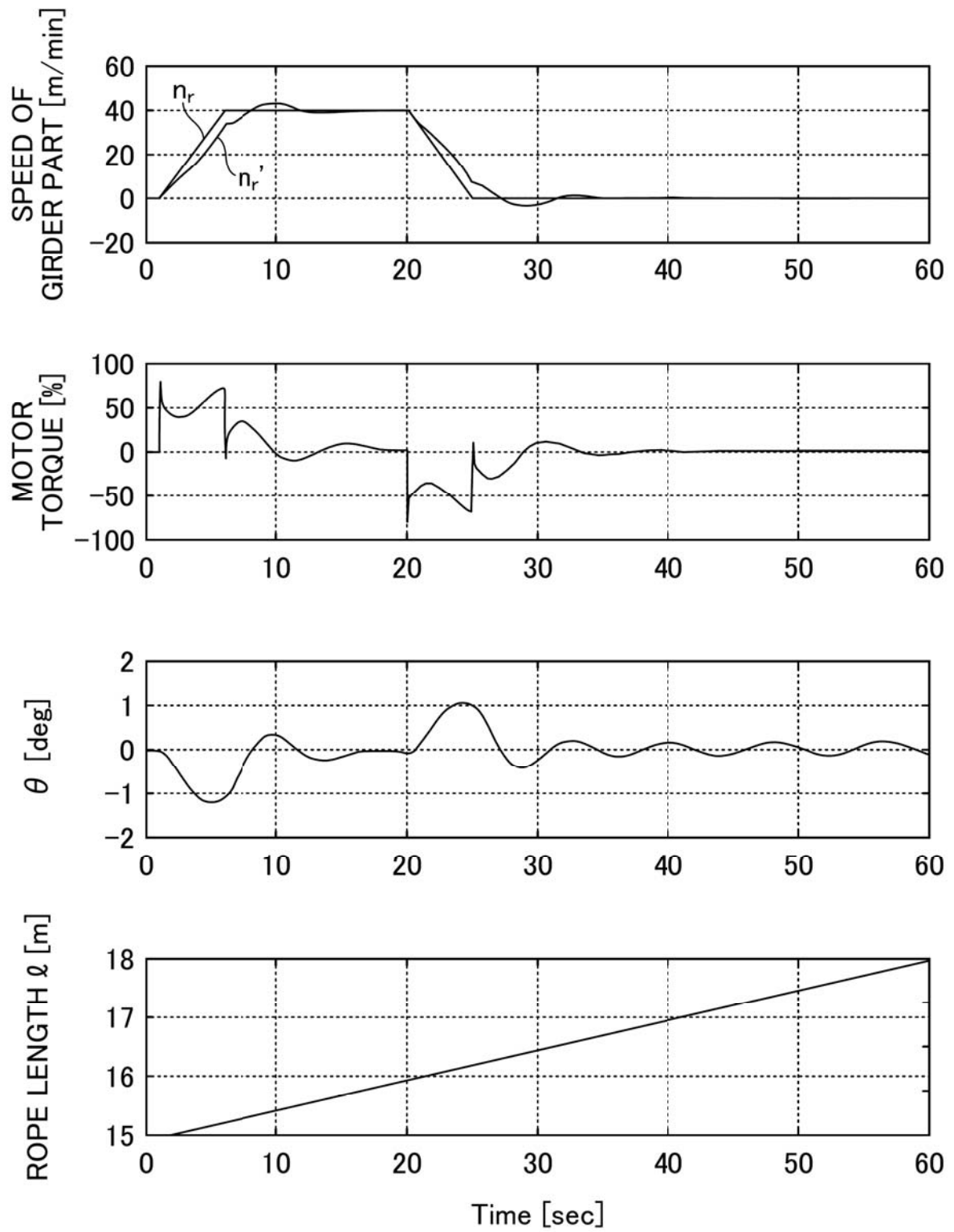


FIG.8

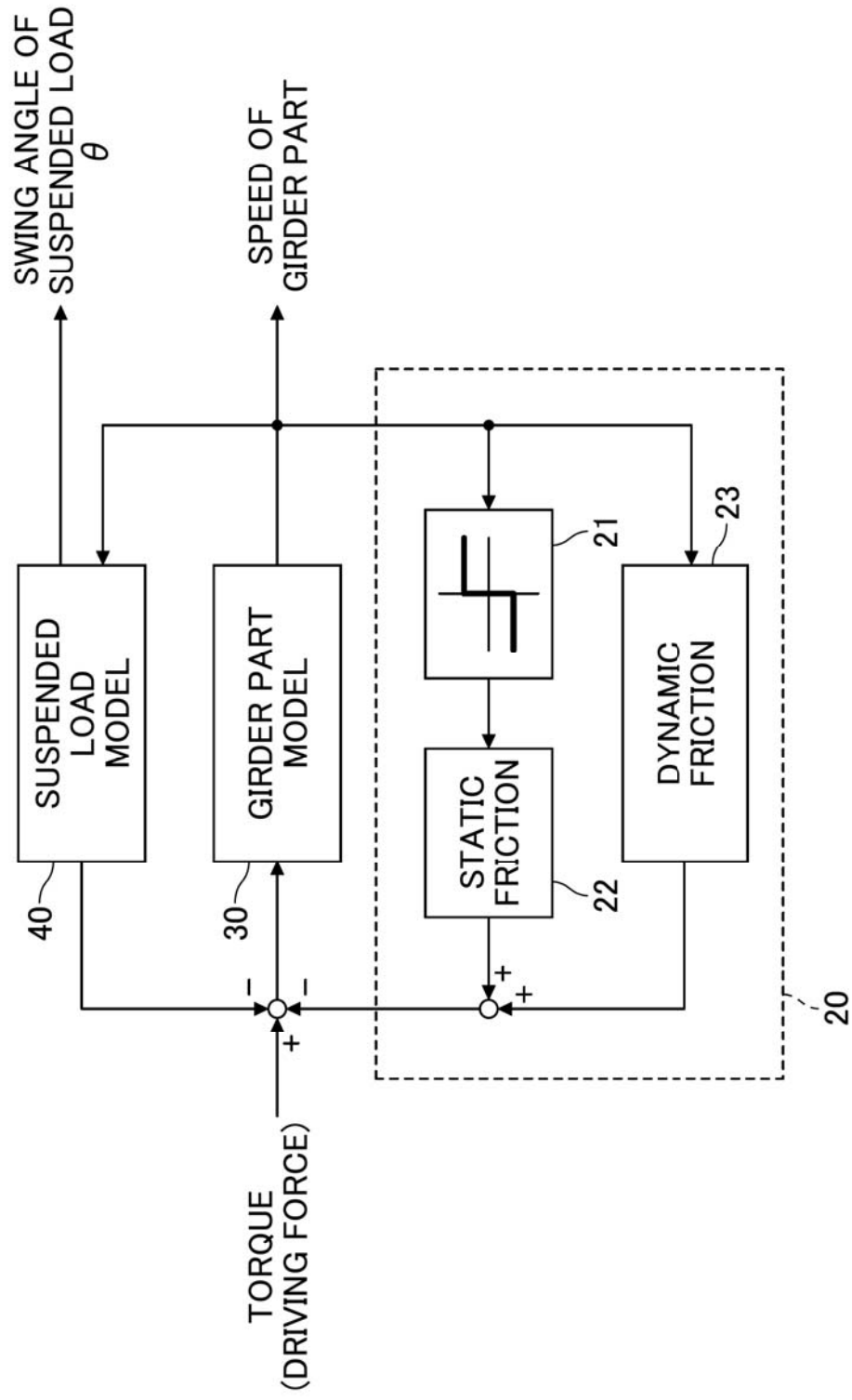


FIG.9

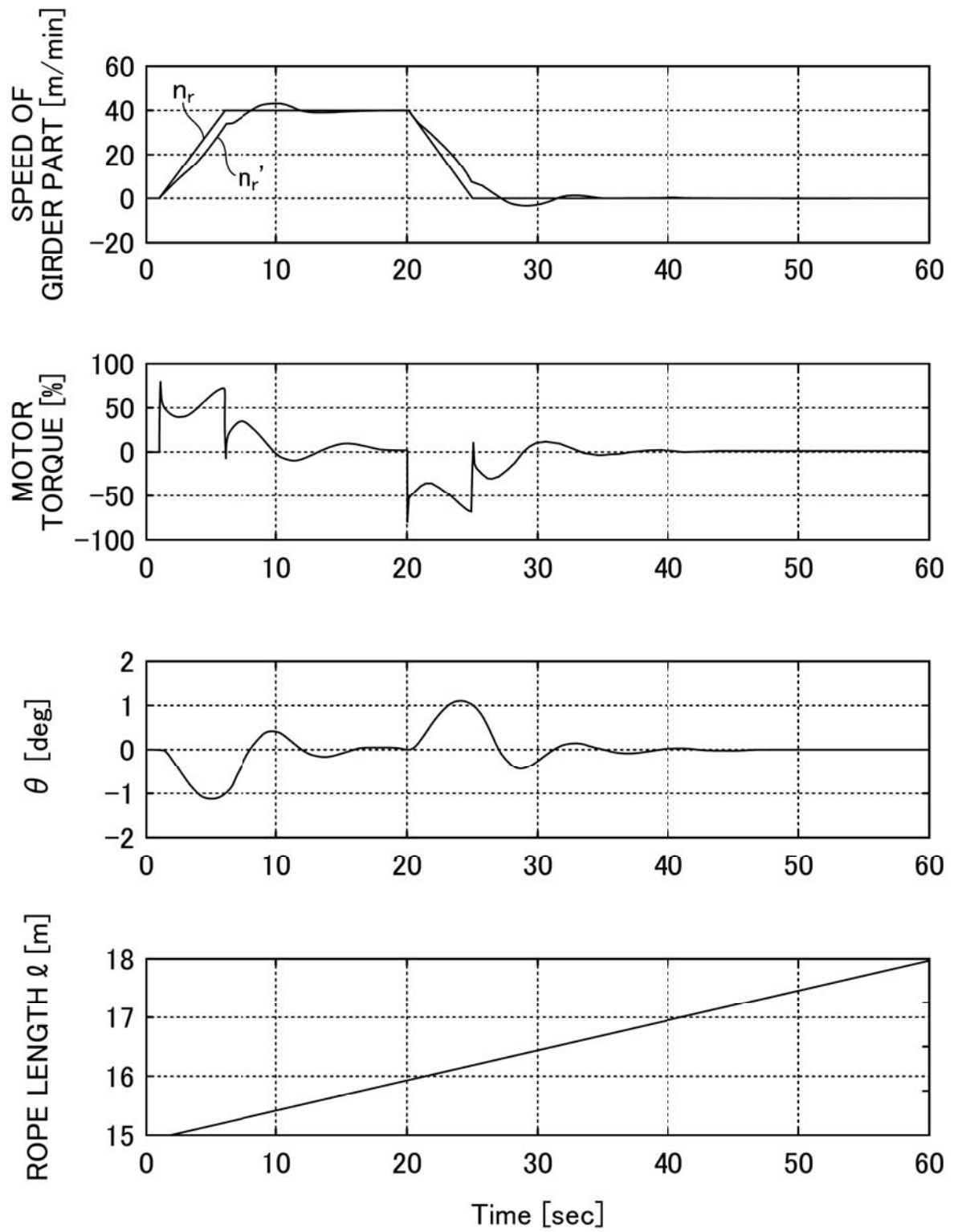


FIG.10

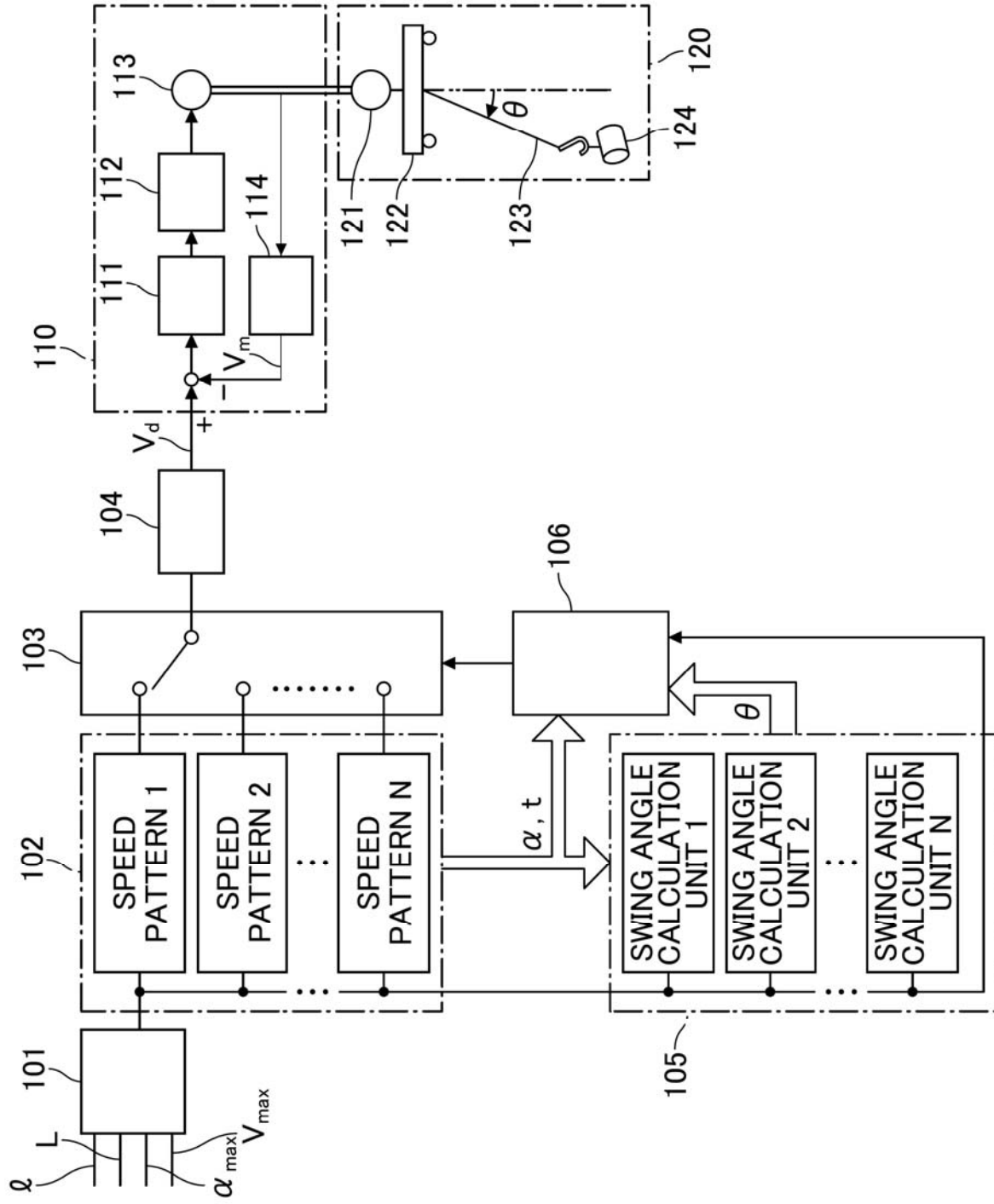


FIG.11 PRIOR ART

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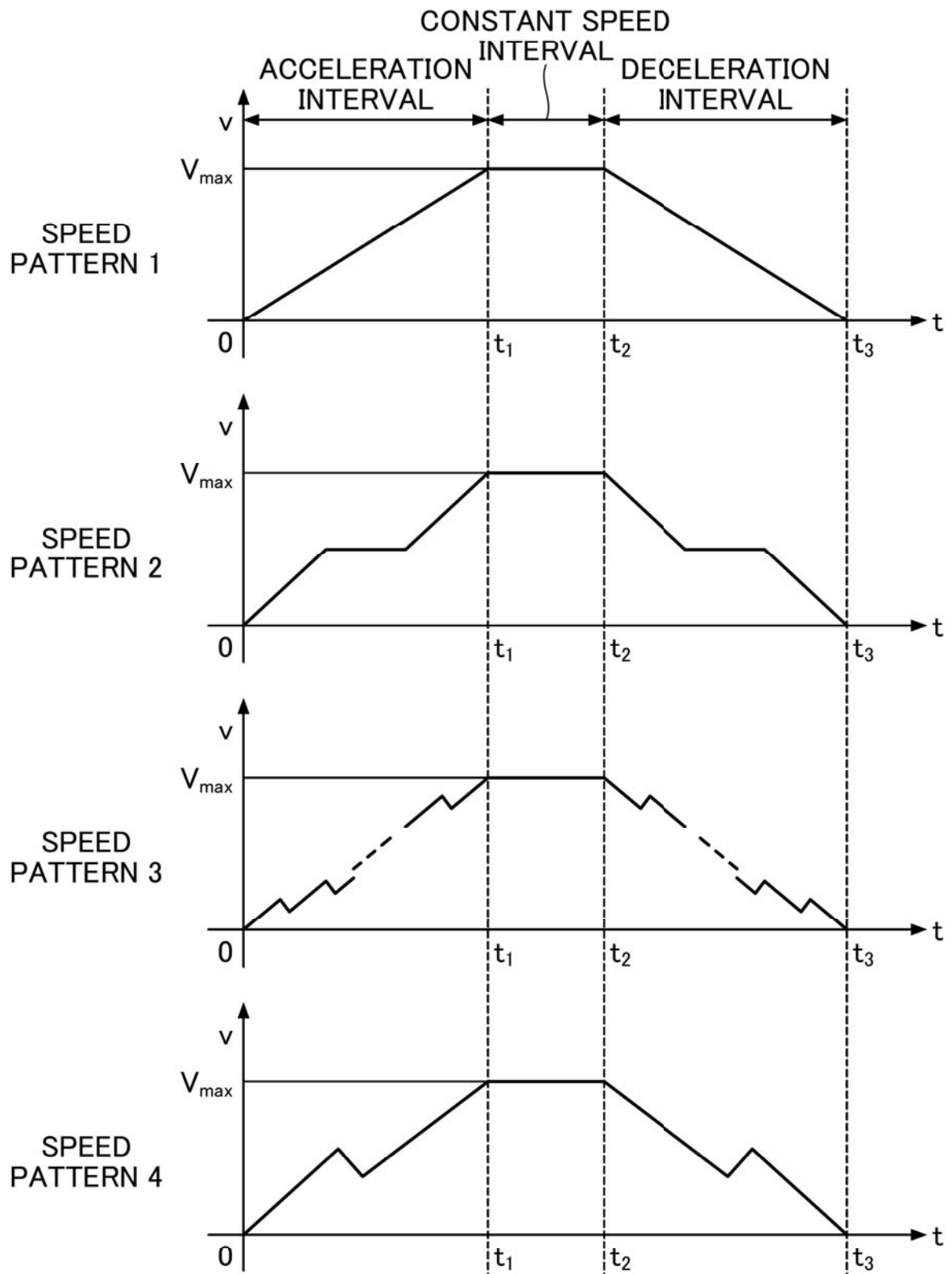


FIG.12 PRIOR ART



FIG.13 PRIOR ART

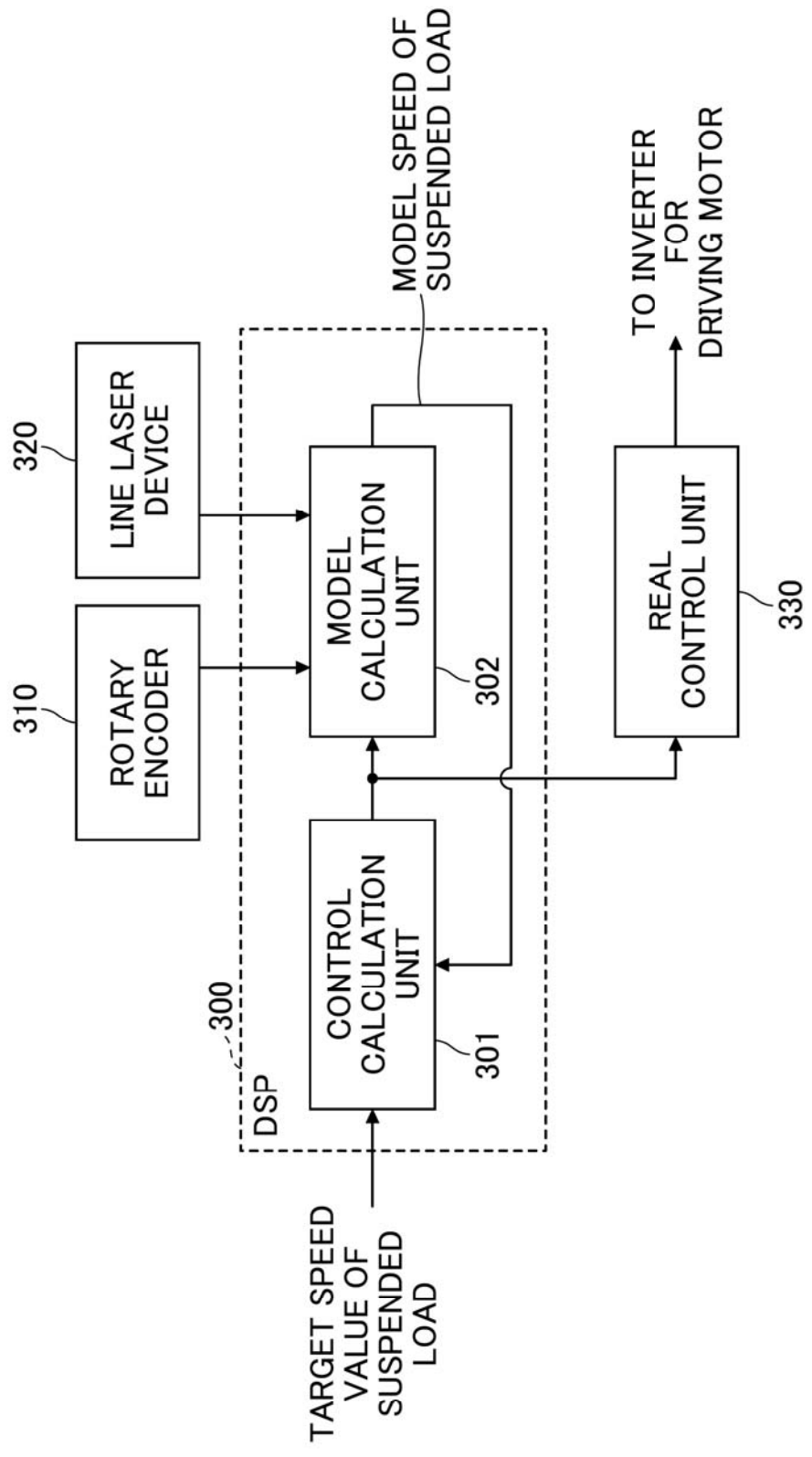


FIG.14 PRIOR ART