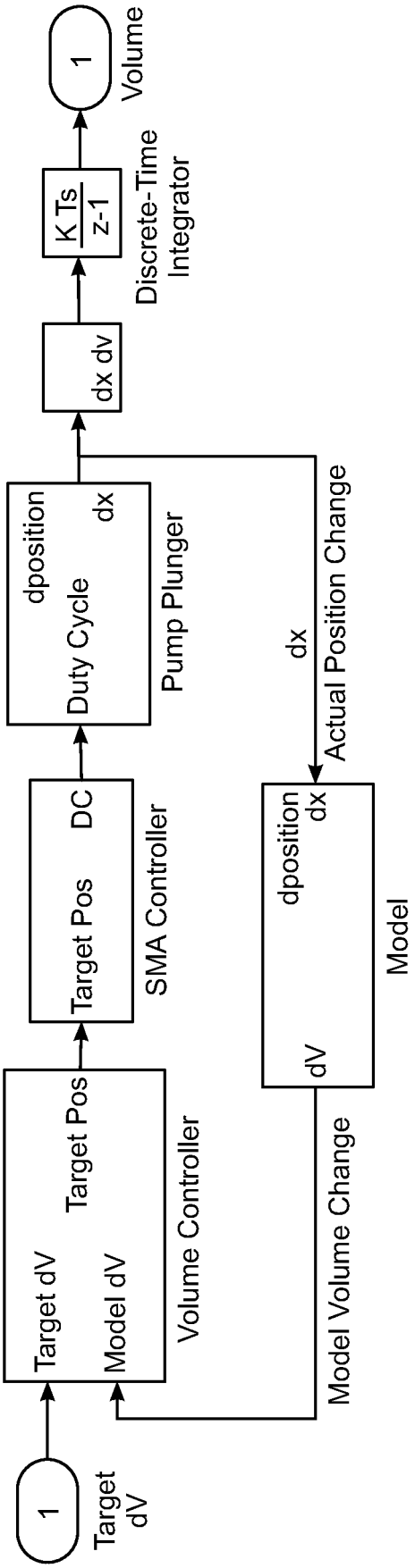
1
Target dV
Target dV
Target Pos
Model dV
Volume Controller
Target Pos
DC
SMA Controller
dposition
dx
Duty Cycle
Pump Plunger
dx dv
K Ts
z-1
Discrete-Time Integrator
1
Volume
dx
Actual Position Change
dposition
dx
dV
Model
Model Volume Change

FIG. 172