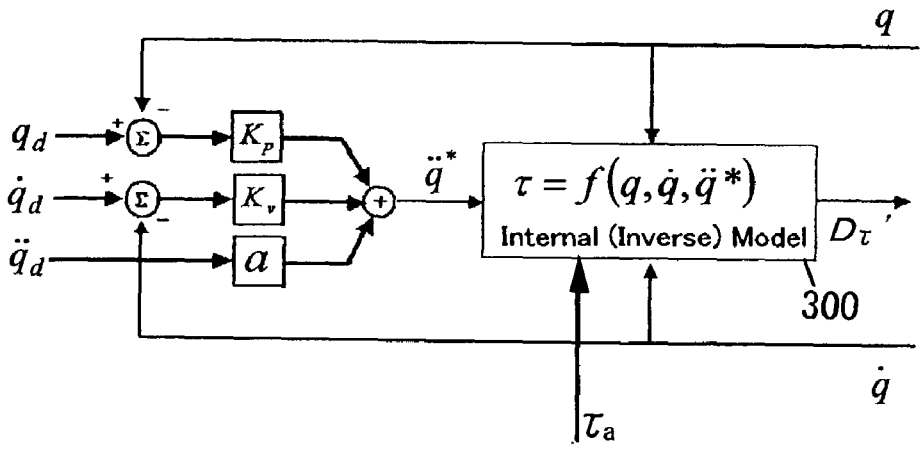
FIG. 3


q
q_d
$\dot{q}_d$
$\ddot{q}_d$
K_p
K_v
a
$\ddot{q}^*$
$\tau = f(q, \dot{q}, \ddot{q}^*)$
Internal (Inverse) Model
$D\tau'$
300
$\dot{q}$
τ_a