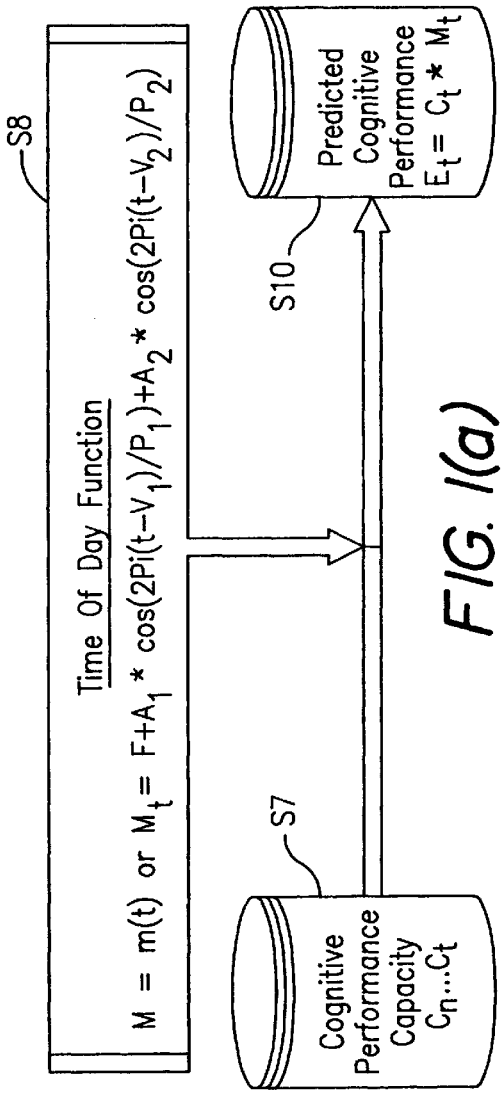
S8
Time Of Day Function
M = m(t) or M_t = F+A_1 * cos(2Pi(t−V_1)/P_1)+A_2 * cos(2Pi(t−V_2)/P_2)
S7
Cognitive Performance Capacity C_n...C_t
S10
Predicted Cognitive Performance E_t = C_t * M_t

FIG. 1(a)

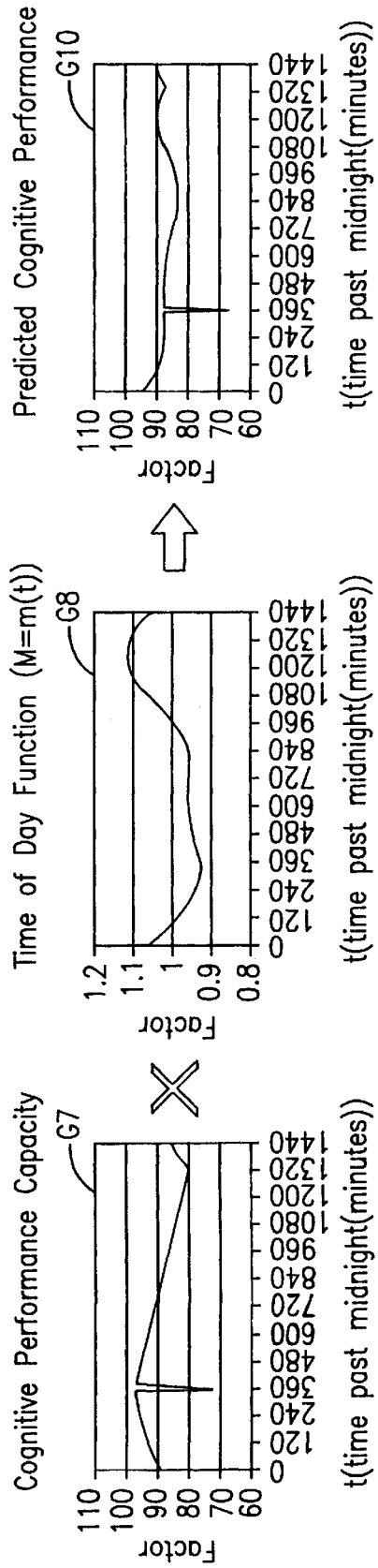
Cognitive Performance Capacity
G7
Factor
110
100
90
80
70
60
0
120
240
360
480
600
720
840
960
1080
1200
1320
1440
t(time past midnight(minutes))
Time of Day Function (M=m(t))
G8
Factor
1.2
1.1
1
0.9
0.8
t(time past midnight(minutes))
Predicted Cognitive Performance
G10
Factor
t(time past midnight(minutes))

FIG. 1(b)