FIG. 8

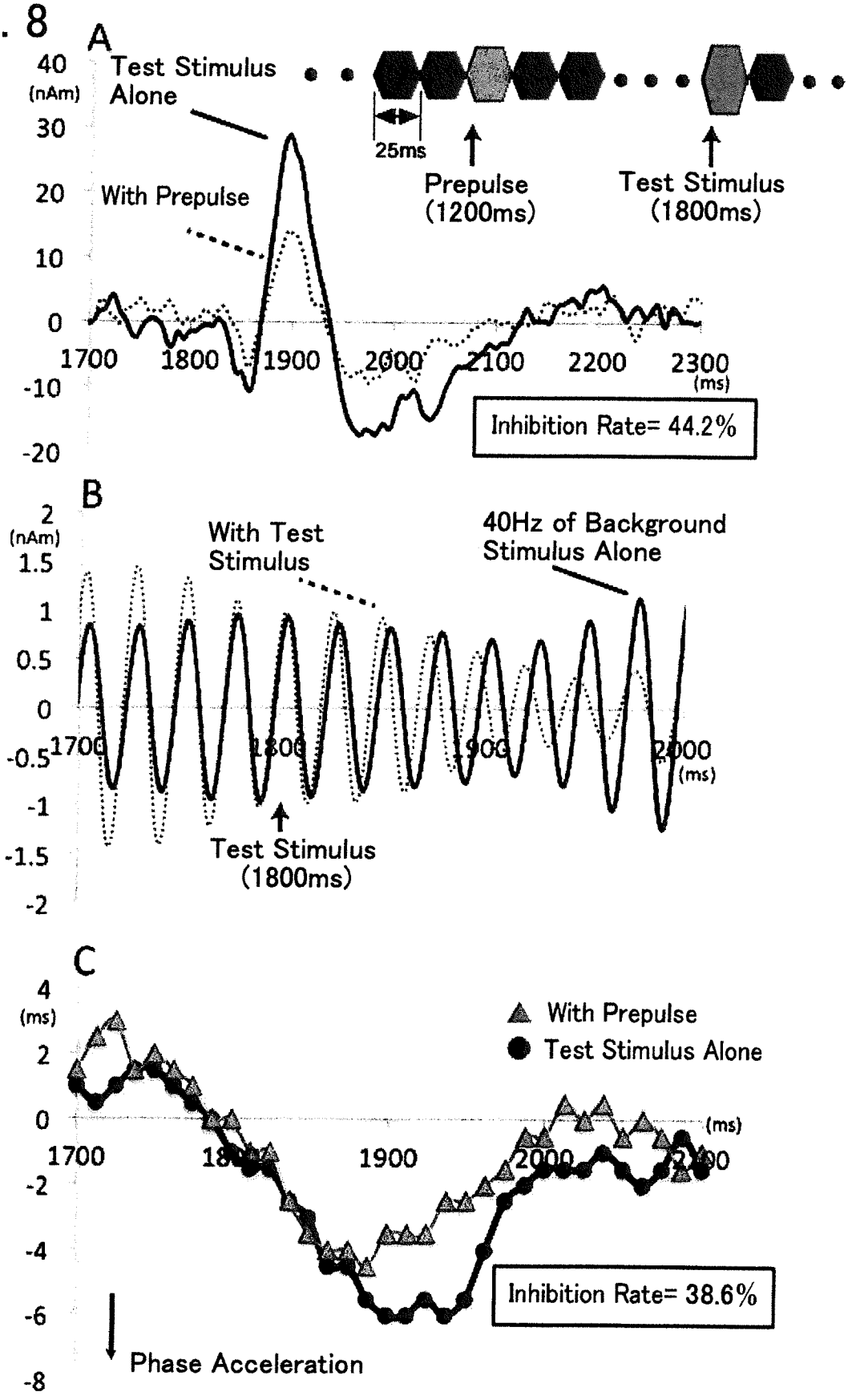
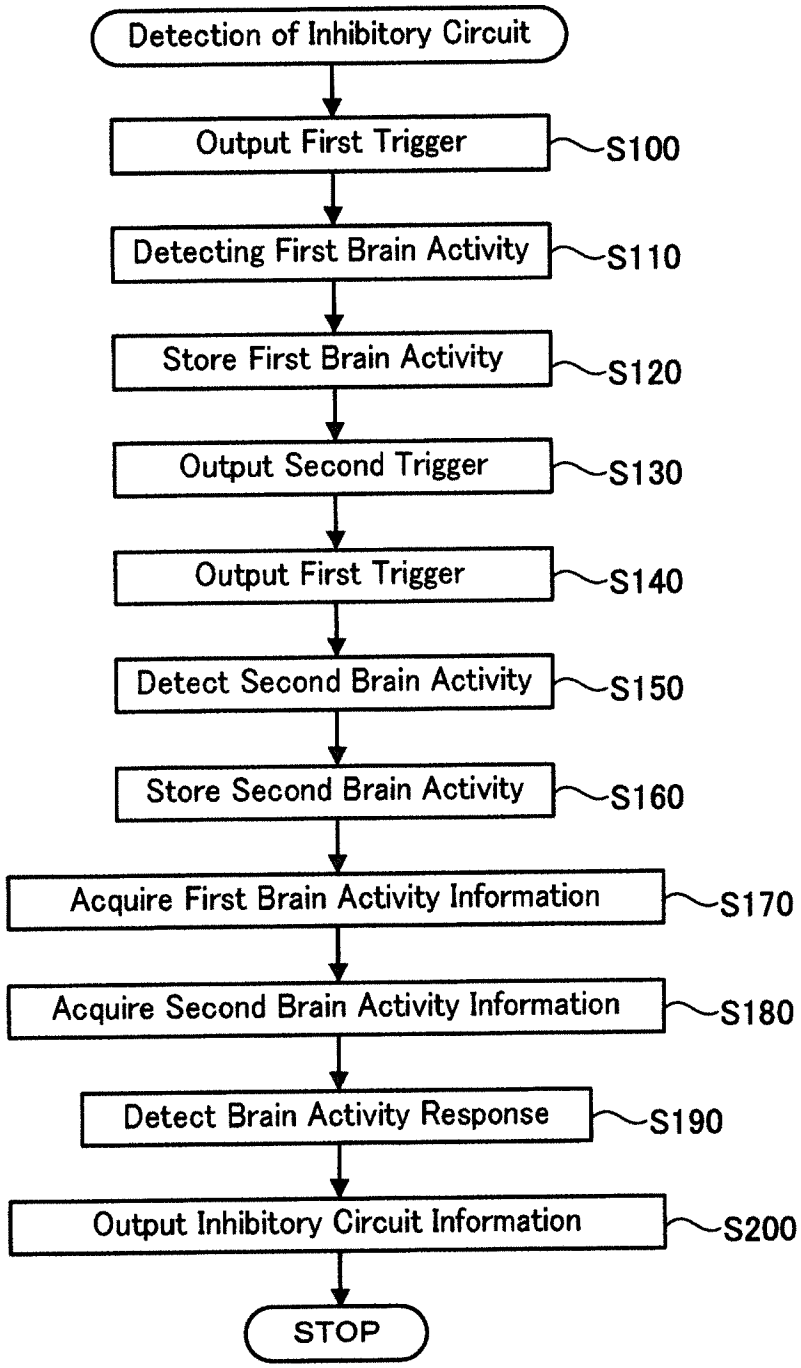

A
40
(nAm)
30
20
10
0
-10
-20
Test Stimulus
Alone
With Prepulse
25ms
Prepulse
(1200ms)
Test Stimulus
(1800ms)
1700
1800
1900
2000
2100
2200
2300
(ms)
Inhibition Rate= 44.2%
B
2
(nAm)
1.5
1
0.5
0
-0.5
-1
-1.5
-2
With Test
Stimulus
40Hz of Background
Stimulus Alone
1700
1800
1900
2000
(ms)
Test Stimulus
(1800ms)
C
4
(ms)
2
0
-2
-4
-6
-8
With Prepulse
Test Stimulus Alone
(ms)
1700
1900
2000
Inhibition Rate= 38.6%
Phase Acceleration

FIG. 11


Detection of Inhibitory Circuit
Output First Trigger
S100
Detecting First Brain Activity
S110
Store First Brain Activity
S120
Output Second Trigger
S130
Output First Trigger
S140
Detect Second Brain Activity
S150
Store Second Brain Activity
S160
Acquire First Brain Activity Information
S170
Acquire Second Brain Activity Information
S180
Detect Brain Activity Response
S190
Output Inhibitory Circuit Information
S200
STOP