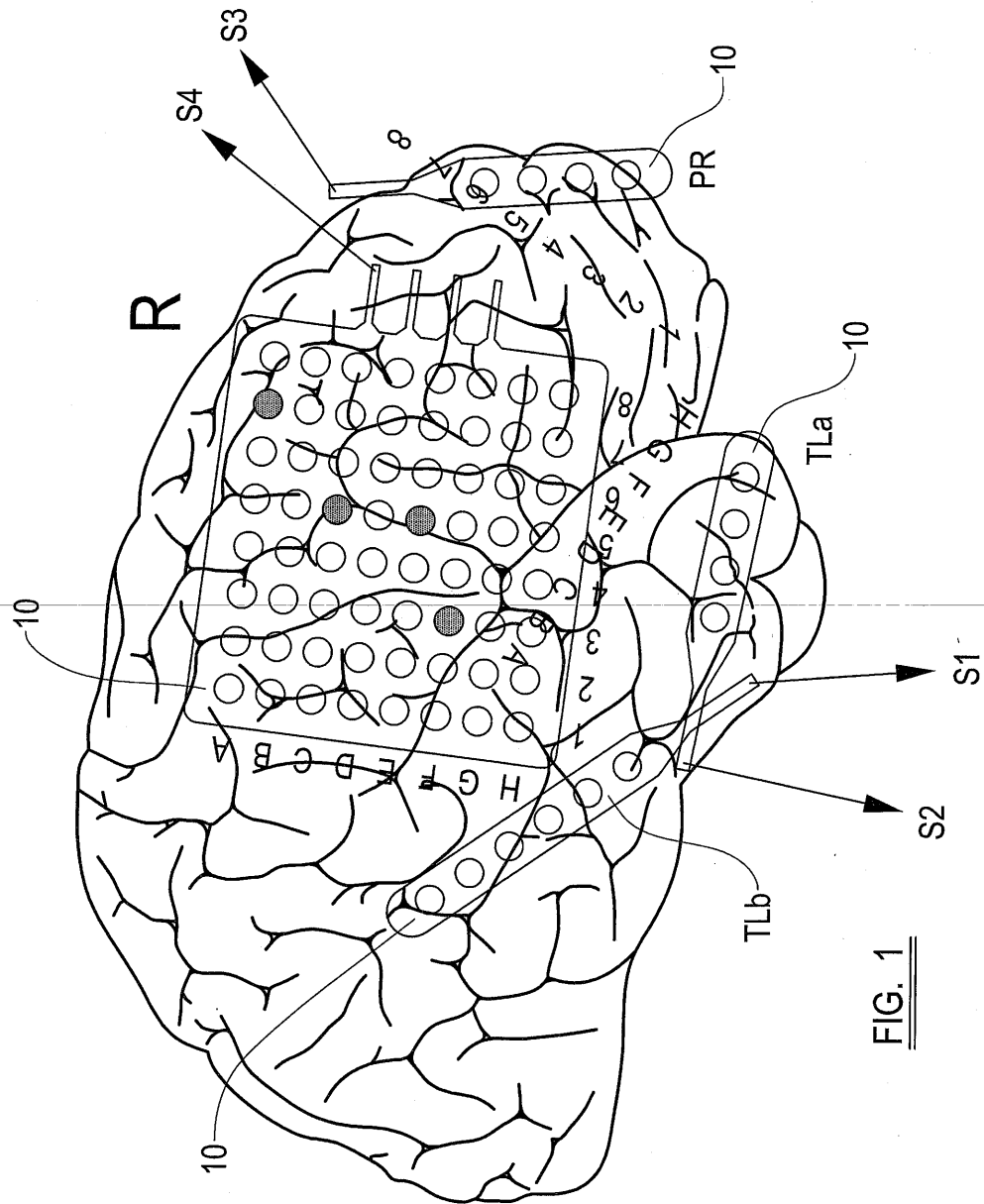




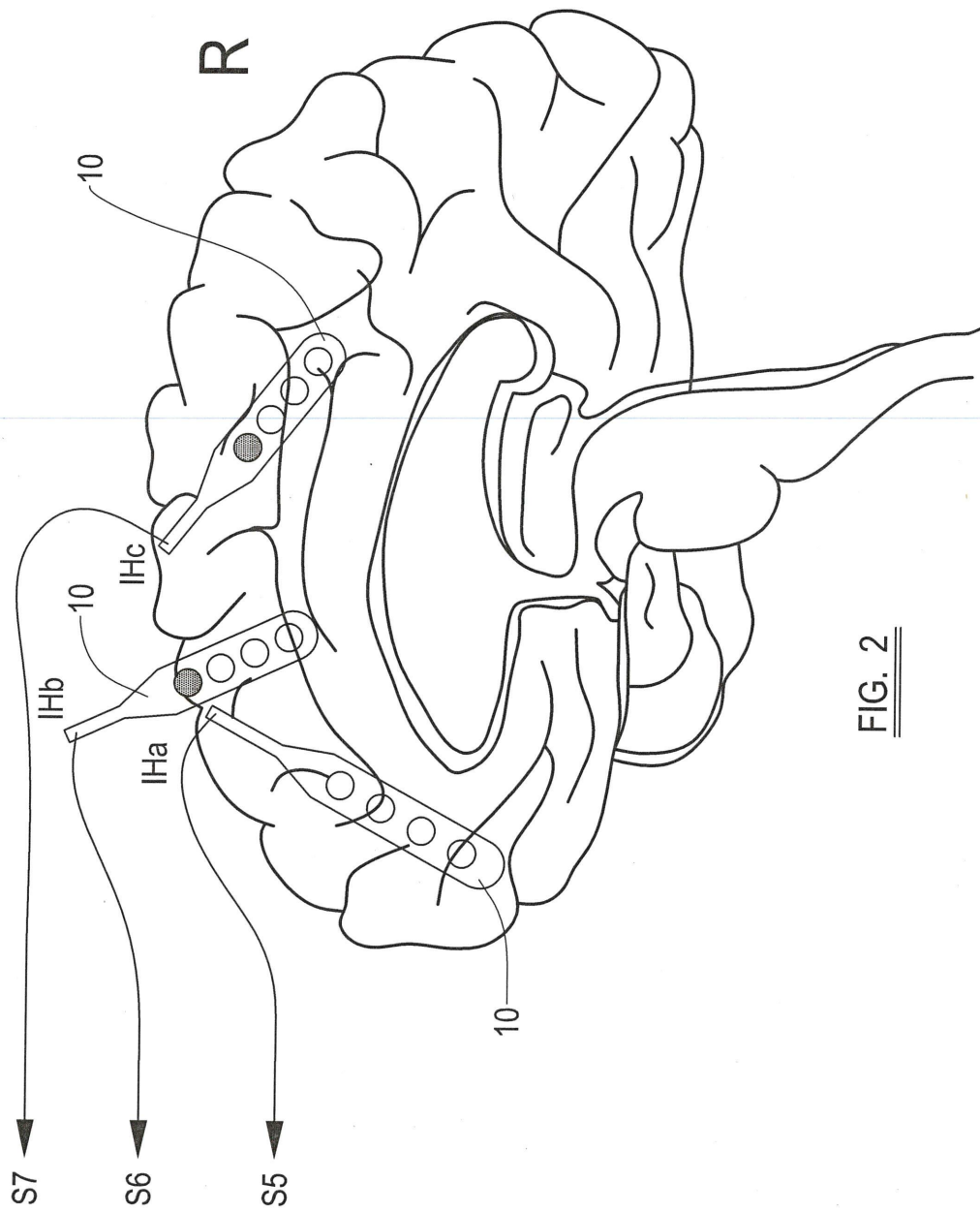


FIG. 2

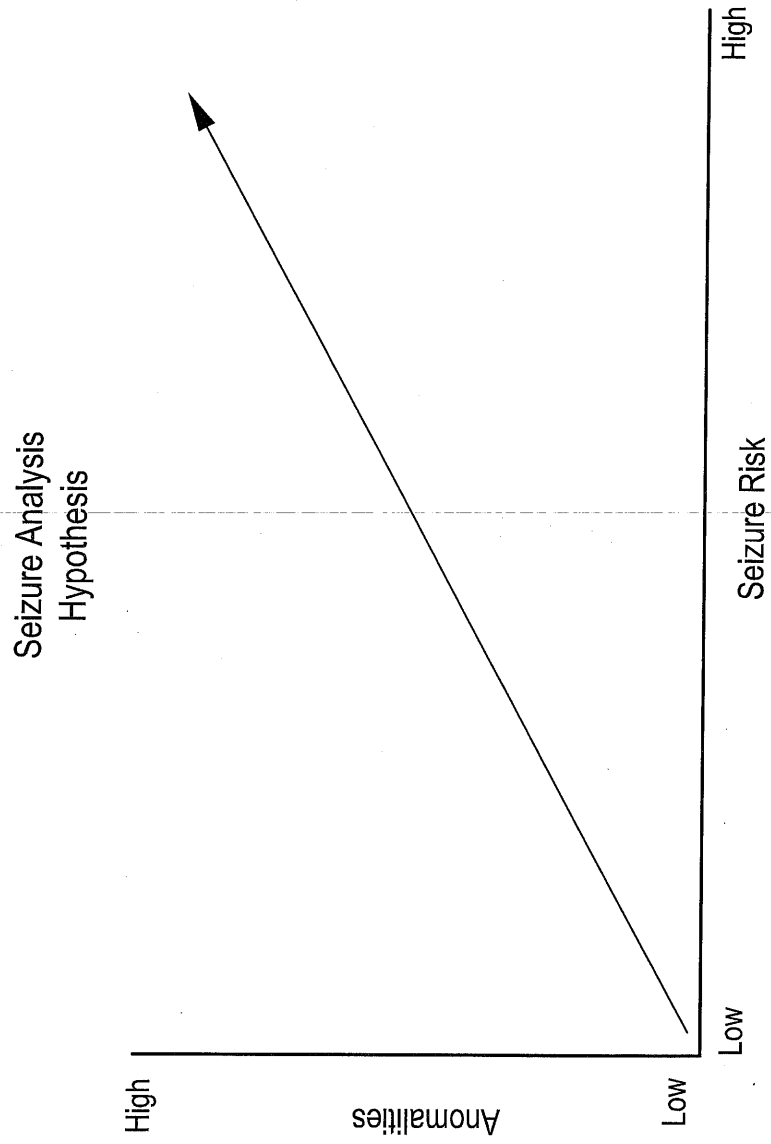
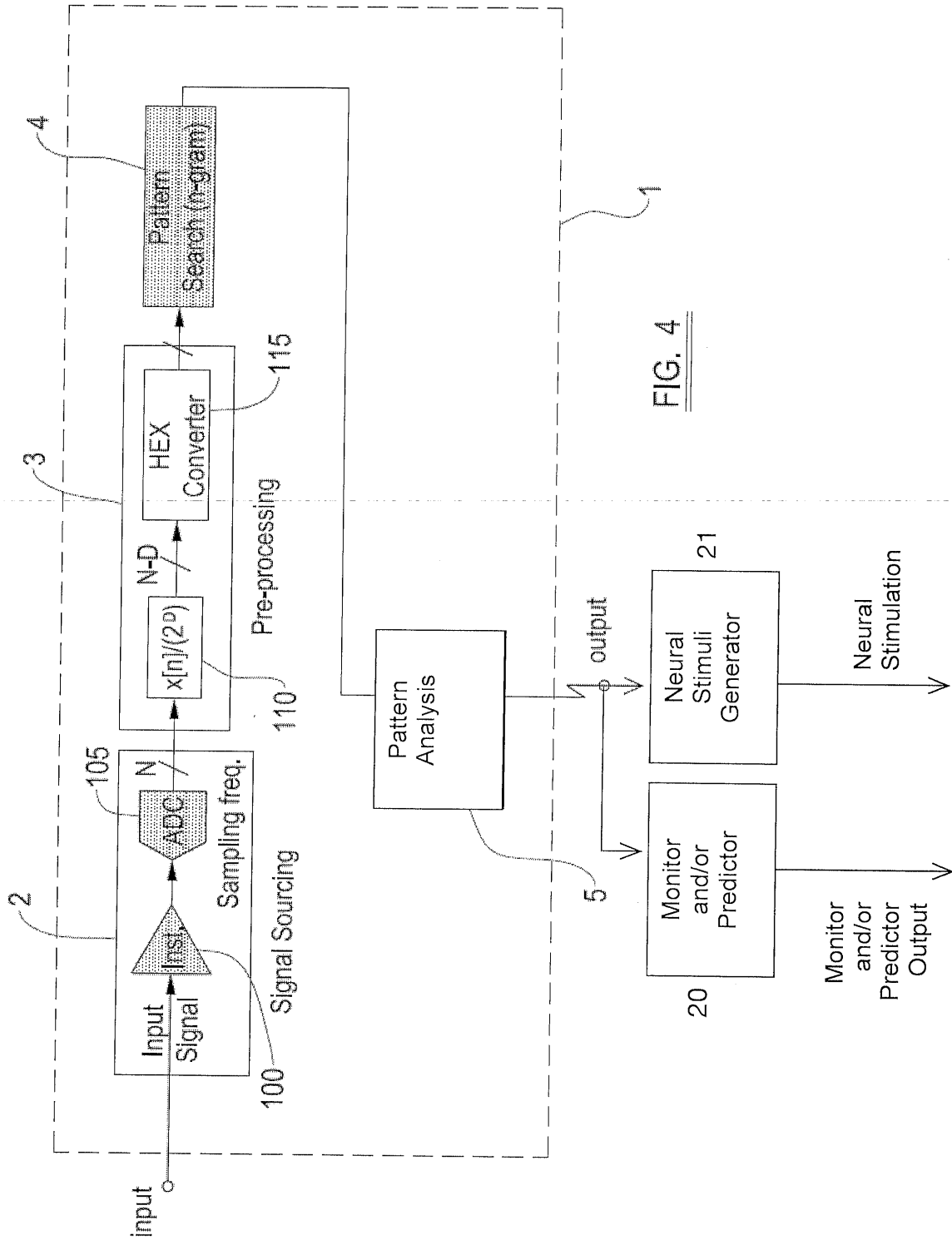
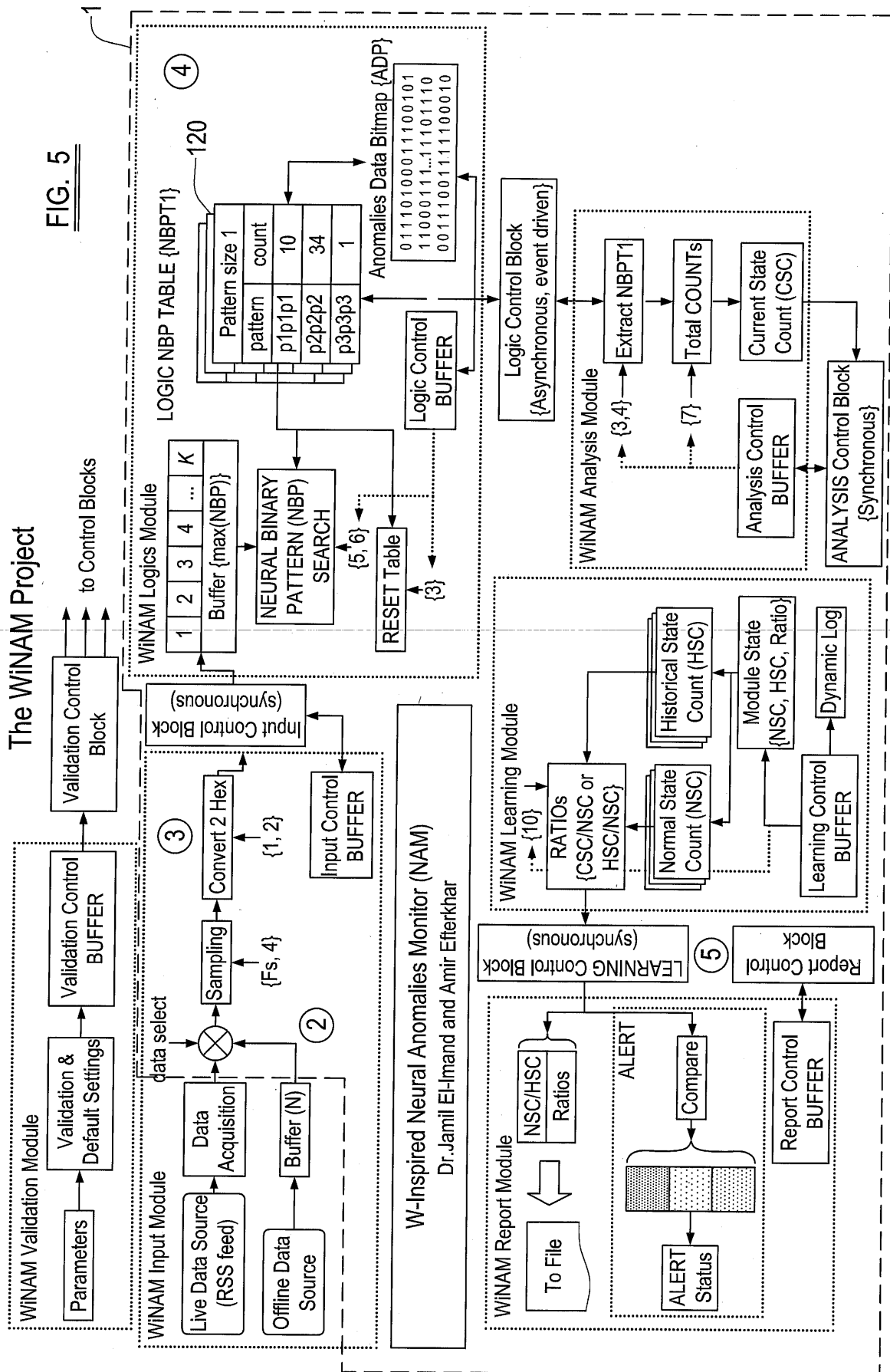


FIG. 3





Patient	Sex	Age	Seizure Type	H/NC	Origin	Seizure Duration (ANC2) / seconds	NC Location before seizure / hours	6A			6B			6C			6D		
								Seizure onset Normal											
								ANC2 Patterns	NC Patterns	Ratio	ANC2 Patterns	NC Patterns	Ratio	ANC2 Patterns	NC Patterns	Ratio	ANC2 Patterns	NC Patterns	Ratio
1	f	15	SP, CP	NC	Frontal	19.49	6.10	538	1756	0.3064	519	1716	0.3024	482	1579	0.3053	482	1868	0.258
2	m	38	SP, CP, GTC	H	Temporal	147.35	0.89	12310	34201	0.3599	12299	34166	0.36	12256	34041	0.361	12256	34249	0.3578
3	m	14	SP, CP	NC	Frontal	108.63	1.67	13578	26721	0.5081	13130	26393	0.4975	10705	19481	0.5495	10705	19945	0.5367
4	f	26	SP, CP, GTC	H	Temporal	77.30	1.03	933	6783	0.1375	933	6783	0.1375	343	6783	0.0506	343	9792	0.035
5	f	16	SP, CP, GTC	NC	Frontal	14.98	0.99	1703	3340	0.5099	1616	2871	0.5629	1012	2058	0.4917	1012	1936	0.5227
6	f	31	CP, GTC	H	Temporo/Occipital	107.94	1.80	7319	22996	0.3183	7050	22886	0.308	6361	18569	0.3426	6361	18231	0.3489
7	f	42	SP, CP, GTC	H	Temporal	79.55	1.70	2434	18879	0.1289	2356	18309	0.1287	1885	12061	0.1563	1885	12307	0.1532
8	f	32	SP, CP	NC	Frontal	178.87	1.10	34388	39070	0.8802	33373	37118	0.8991	32437	35957	0.9021	32437	35965	0.9019
9	m	44	CP, GTC	NC	Temporo/Occipital	38.56	1.04	1739	8428	0.2063	1719	7269	0.2365	1139	6981	0.1632	1139	6751	0.1687
10	m	47	SP, CP, GTC	H	Temporal	87.07	1.18	20999	20488	1.0259	16773	4085	0.9265	15050	16163	0.9311	15050	15598	0.9649
11	f	10	SP, CP, GTC	NC	Parietal	41.55	1.05	4140	4487	0.9227	4085	4409	0.9265	3867	4234	0.9133	3867	4507	0.858
12	f	42	SP, CP, GTC	H	Temporal	61.33	1.00	10711	14731	0.7271	10504	12064	0.8707	8862	9092	0.9747	8862	9663	0.9171
13	f	22	SP, CP, GTC	H	Temporo/Occipital	76.13	1.18	6214	11848	0.5245	6214	11848	0.5245	6214	11848	0.5245	6214	13654	0.4551
14	f	41	CP, GTC	H, NC	Fronto/Temporal	70.77	1.34	16860	16163	1.0431	14668	13698	1.0708	12822	11545	1.1106	12822	12028	1.066
15	m	31	SP, CP, GTC	H, NC	Temporal	31.51	0.94	7086	7418	0.9552	6409	5571	1.1504	5026	4903	1.0251	5026	4705	1.0682
16	f	50	SP, CP, GTC	H	Temporal	170.61	1.36	35482	38797	0.9146	34315	37655	0.9113	33971	37282	0.9112	33971	36486	0.9311
17	m	28	SP, CP, GTC	NC	Temporal	58.87	1.81	1747	12878	0.1357	1292	11475	0.1126	591	10720	0.0551	591	10582	0.0558
18	f	25	SP, CP	NC	Frontal	17.93	1.20	36	1133	0.0318	36	1133	0.0318	36	1133	0.0318	36	963	0.0374
19	f	28	SP, CP, GTC	NC	Frontal	23.17	1.01	1716	3716	0.4618	1508	3568	0.4226	1278	3427	0.3729	1278	3516	0.3635
20	m	33	SP, CP, GTC	NC	Temporo/Parietal	25.09	1.84	2931	5549	0.5282	2723	4911	0.5545	2276	3455	0.6588	2276	3169	0.7182
21	m	13	SP, CP	NC	Temporal	89.91	0.93	20018	19761	1.013	18159	17995	1.0091	16182	16329	0.991	16182	15825	1.0226
ORIGINAL NGRAM SIZE = 10								FF and 00 Patterns Removed			All Repeat Patterns removed			Different NC part					

Lobes of the brain

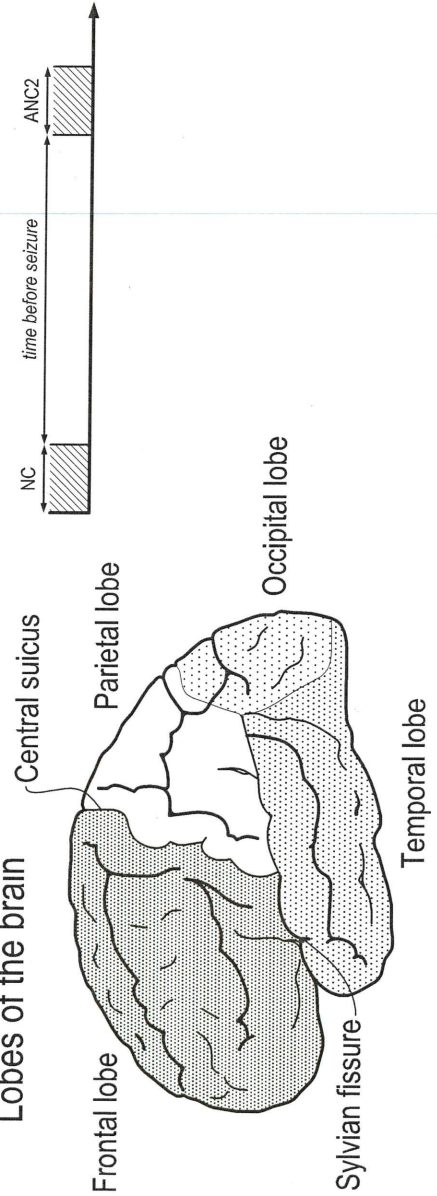


FIG. 6

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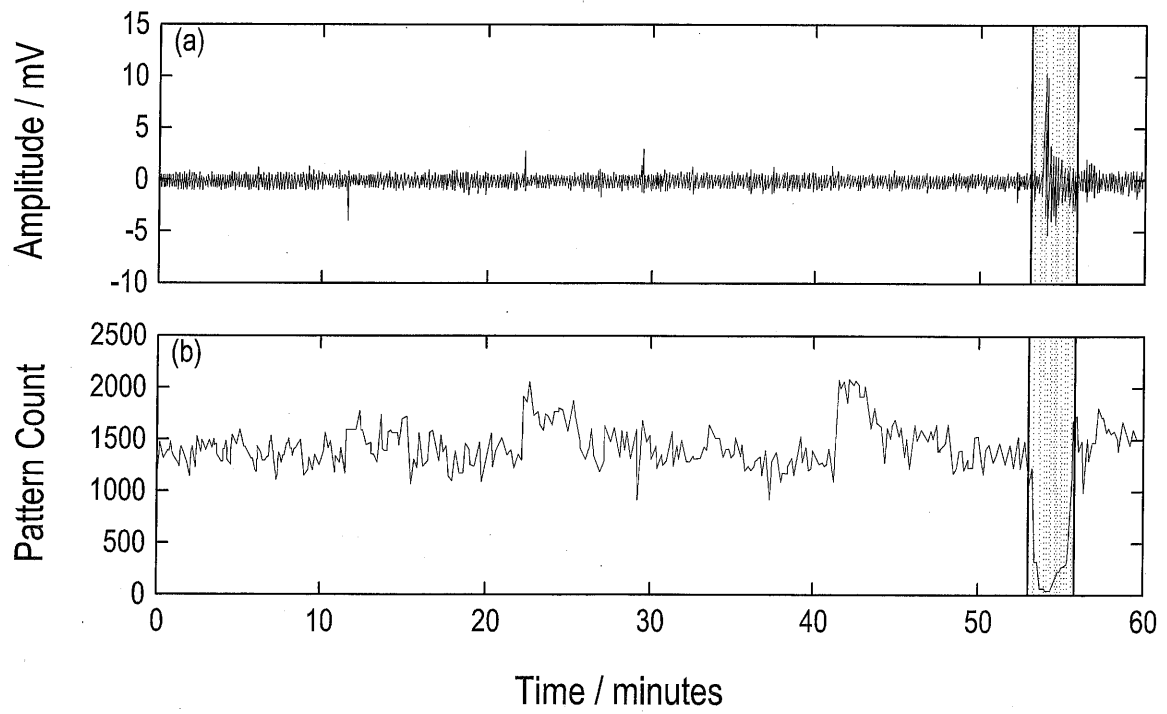


FIG. 7

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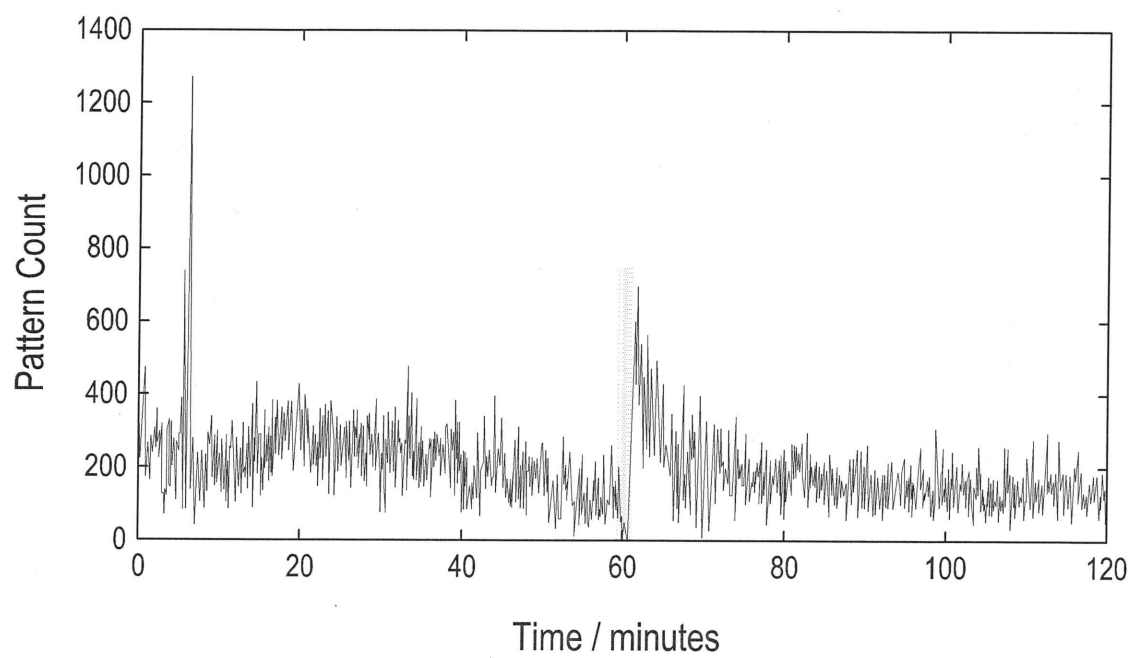


FIG. 8

FIG. 9

Brain Anomalies Monitor (BAM) Logic Chart

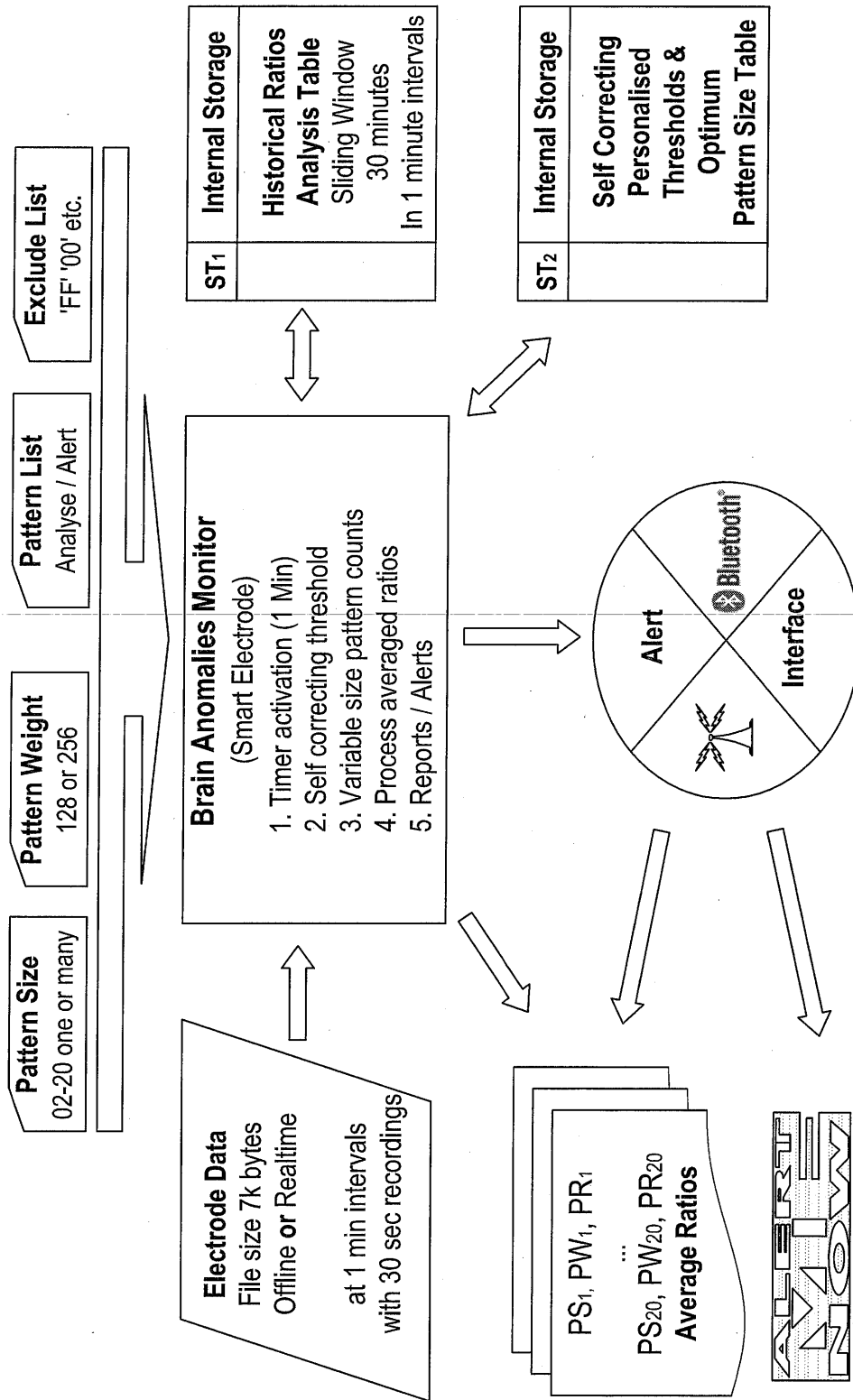


FIG. 10

Table 1

[illegible]

Table II

9 Nibble (half byte) pattern Matrix												
Data One					Data Two							
Sno	NC			ANC1	ANC2			NC		ANC1		ANC2
1	0100FFFEF	7		F4F4F4F4F	7	101010101	6	F0E0E0E0E	9	DCDCDCDCD	6	E2E2E2E2E
2	040404040	7		020202020	6	010101010	5	0E0E0E0E0	8	E2E2E2E2E	6	2E2E2E2E2
3	F8F9F9F8F	6		050505050	6	141414141	3	E7E7E7E7E	6	E0DED0DED	5	E9EAEBECE
4	FAFBFBFAF	6		070505050	5	0B0C0C0D0	3	D8D7D7D7D	5	E3E1E0DDE	5	ECBEAE9E9
5	FCDFDFDF	5		F8F8F7F6F	4	191A1B1C1	3	EFEEEECEBE	5	E6E6E5E5E	5	E8E5E5E5E
6	060606060	5		705050505	4	0201FFFFD	3	E1E1E1E2E	5	E7E6E6E6E	5	D8D8D8D8D
7	20100FFFE	5		F9F9F9FAF	4	181818181	3	F6E6E6E5E	5	DEDDDCD8D	5	EEFEFEFEF
8	FAFAFAFAF	5		FBFCFCFCF	4	01010100F	3	D9D8D7D8D	5	E0DFDFDED	5	ECBE8E8E8
9	020100FFF	5		050506070	4	010404030	3	DFDFDFDFD	5	E1E0E0DFD	5	
10	FFFEFDFFF	4		070605050	4	181818181	3	DEDDDDDCD	4	E3E4E5E5E	5	
11	F6F5F6F7F	4		0E0C09070	4	FF0002030	3	DCDCDCDCD	4	E9E9E9E8E	5	
12	FBFBFAF7F	4		000204040	4	040303030	3	E9E8E7E7E	4	E4E3E2E1E	4	
13	FAFAFBFCF	4		F6F6F6F5F	4	13100E0C0	3	EFEEEEBEAE	4	DDDDDDDD	4	
14	FFFEFCFBF	4		020200FDF	4	0908090A0	3	DDCDBDAD	4	E7E8EAECE	4	
15	090A0C0C0	4		000000000	4	3B3B3B3B3	3	E8E7E7E7E	4	DFDFDFDED	4	
16	FEFDFCFBF	4		0F0F0F0E0	4	1B1B1A191	3	E3E2E1E1E	4	E4E5E5E3E	4	
17	0C0A09080	4		030406080	4	0E0C0B0B0	3	E5E3E1DFD	4	DDCDBDAD	4	
18	FFFFFEFF0	4		FAF9F9F9F	4			E0E0E0E0D	4	F7F7F7F7F	4	
19	FCFCFCFCF	4		060706050	4			7E7E7E7E7	4	DEDED0DD	4	
20	FDFCFCFCF	4		090909090	4			E1E1E0E0E	3	DEDFE0E1E	4	
21	F6F7FAFAF	4		060605030	4			DDDDDDDD	3	DCDBD8DCD	4	
22	FAF8F8F9F	4		060402020	4			1E0E0E0E0	3	FE0E1E2E2	4	
23	FCFCFE000	4		030305060	4			E1E0E0E0E	3	E5E5E7EAE	4	
24	F9F9F8F6F	4		040406070	4			E5E4E4E6E	3	E1E2E2E3E	4	
25	FDFFDFDFCF	4		040403010	4			E2E1DFDFD	3	DFE0E1E3E	4	
26	060506070	4		060503030	3			DCBBDAD8D	3	E6E6E6E6E	4	
27	FEFEFEFF0	4		0E0E0D0C0	3			F0FEFECE	3	E9EAE9E7E	4	
28	FCFCFAF9F	4		F6F6F5F3F	3			E2E3E2E1E	3	E2E2E2E3E	4	
29	030407070	4		F4F4F5F6F	3			D5D3D1CFC	3	E2E3E4E5E	4	
30	6F7FAFAF9	4		0302FFFFF	3			9D8D7D8D9	3	EAE8E6E5E	4	
31	404040404	4		F8F7F6F7F	3			D6D9DAD8D	3	E5E5E3E0D	4	
32	FFFFFEEFF	4		1010100F0	3			E3E3E2E2E	3	E6E7E7E5E	4	
33	0A0908060	4		02030200F	3			F2FEFBE9E	3	DDDDDDDCD	4	
34	FEFDFCFCF	4		020404030	3			9E8E7E7E7	3	E0DFDFDFD	4	
35	F7FAFAF9F	4		0306080C0	3			E6E6E5E5E	3	E2E2E3E3E	4	
36	040504020	4		0200FDFBF	3			DEE1E2E2E	3	EAE9E8E8E	4	

Table III

8 Nibble (half byte) pattern Matrix												
Sno	Data One				Data Two							
	NC	ANC1	ANC2	NC	ANC1	ANC2	ANC1	ANC2				
1	40404040	7	F4F4F4F4	7	01010101	6	E0E0E0E0	13	DCDCDCDC	7	2E2E2E2E	19
2	04040404	7	4F4F4F4F	7	10101010	6	0E0E0E0E	9	CDCDCDCD	7	E2E2E2E2	19
3	0100FFFE	7	05050505	6	01010100	4	DFDFDFDF	6	E3E1E0DF	7	EEFEFEFE	4
4	100FFFEF	7	50505050	6	0908090A	3	7E7E7E7E	6	E1E0E0DF	6	ECBEAE9	3
5	FAFBFBFA	6	20202020	6	B3B3B3B3	3	E7E7E7E7	6	E2E2E2E2	6	CEBEAE9E	3
6	8F9F9F8F	6	00000000	6	201FFFDF	3	EFEECECB	5	DFDEDEDF	6	EEFEFEFE	3
7	F8F9F9F8	6	02020202	6	191A1B1C	3	E6E6E6E5	5	2E2E2E2E	6	ECBE8E8	3
8	AFBFBFAF	6	07050505	5	81819181	3	E1E1E1E2	5	DDDDDDDD	6	CEBE8E8E	3
9	020100FF	5	70505050	5	0B0C0C0D	3	FECECEBE	5	EDDCDCBD	5	E5E5E5E5	3
10	FCFDFDFD	5	FFFFFFFF	5	FD FCFE	3	8D7D7D7D	5	0DEDCCDC	5	ECFEFEFE	3
11	FAFAFAFA	5	FAF9F9F9	4	04030303	3	D9D8D7D8	5	E0DFDFDE	5	9EAEBECE	3
12	AFAFAFAF	5	04040301	4	40303030	3	D8D7D7D7	5	DEDEDEDE	5	5E5E5E5E	3
13	06060606	5	06070605	4	81818181	3	6E6E6E5E	5	E0DFE0E0	5	DBDBDBDB	3
14	FEFEFEFF	5	01010101	4	FFFFF00	3	FD FDFD	5	E0DEDCDC	5	E2DCDADB	3
15	20100FFF	5	05050607	4	FF000203	3	E5E3E1DF	5	9E9E9E8E	5	BDDBDBDB	3
16	CFDFDFDF	5	40403010	4	01000000	3	9D8D7D8D	5	E3E4E5E5	5	E9EAEBEC	3
17	60606060	5	F0F0F0E0	4	0E0C0B0B	3	1E1E1E2E	5	0DFDFDED	5		
18	FFFFFEFF	4	60402020	4	41414141	3	F2F1F1F1	4	6E6E5E5E	5		
19	FFFEFCFB	4	03030506	4	E0C0B0B0	3	DCDCDCDC	4	E7E6E6E6	5		
20	EFDFCFBF	4	60706050	4	01040403	3	E3E2E1E1	4	E6E6E5E5	5		
21	DFDFDFDF	4	F9F9F9FA	4	10404030	3	3E2E1E1E	4	E9E9E9E8	5		
22	FAFAFBFC	4	E0C09070	4	3B3B3B3B	3	EDDDDCDC	4	3E1E0DFE	5		
23	FAF8F8F9	4	0F0F0F0E	4	18181918	3	9E8E7E7E	4	DEDDDCDB	5		
24	FFFDFFDF	4	0E0C0907	4	3100E0C0	3	DDCDBDAD	4	EDEDEDED	5		
25	F9F9F8F6	4	20200FDF	4	B1B1A191	3	EFEEEBEA	4	1E0E0DFD	5		
26	AF8F8F9F	4	00204040	4	0201FFFDF	3	E9E8E7E7	4	3E4E5E5E	5		
27	FFFEFDFF	4	FBFCFCFC	4	908090A0	3	CDCCDCDC	4	7E6E6E6E	5		
28	FDFFDFDC	4	70605050	4	201D1B1A	3	8E7E7E7E	4	DFDFDFDE	5		
29	FFFEFCFB	4	020200FD	4	1B1B1A19	3	DDCDBDA	4	DCDBDBDC	4		
30	FCFCFCFC	4	FFFF0000	4	14141414	3	DDDDDDDD	4	7E8EAECE	4		
31	06050607	4	10101010	4	F0002030	3	EDDDDDDC	4	DDDDDDDC	4		
32	04050402	4	30406080	4	18181818	3	E2E1DFDF	4	DFDFDFDF	4		
33	0C0A0908	4	6F6F6F5F	4	03020100	3	5E3E1DFD	4	0E1E2E2E	4		
34	6F5F6F7F	4	8F8F7F6F	4	1010100F	3	E0E0E1E1	4	E4E3E2E1	4		
35	F7FAFAF9	4	0E0F1010	4	B0C0C0D0	3	E0E1E1E1	4	2E2E3E3E	4		
36	FEFDFCFB	4	30305060	4	13100E0C	3	E8E7E7E7	4	CDDBDBDC	4		

Table IV

7 Nibble (half byte) pattern Matrix												
Sno	Data One				Data Two							
	NC	ANC1	ANC2	NC	ANC1	ANC2	NC	ANC1	ANC2	NC	ANC1	ANC2
1	FDFDFD	15	0202020	14	0101010	12	E0E0E0E	17	E2E2E2E	15	E2E2E2E	23
2	0404040	15	0505050	13	1010101	8	0E0E0E0	13	E4E5E5E	14	2E2E2E2	19
3	00FFFEF	13	F4F4F4F	12	0A0A0A0	7	E1E1E1E	11	E6E6E6E	14	EDECEBE	7
4	FCFCFCF	12	F9F9F9F	12	0B0B0A0	7	E7E7E7E	11	DFDFDFD	13	EFE0E2E	6
5	FEFDFCF	12	FDFCFCF	11	1818181	6	DFDFDFD	10	DCDCDCD	12	D8D8D8D	6
6	FAFAFAF	11	0404040	11	0B0C0C0	6	D9D8D7D	10	DFE0E1E	12	E5E5E5E	6
7	FBFBFAF	11	F8F7F6F	10	1414141	6	DEDDDDD	9	E0E1E2E	12	ECEBEAE	6
8	F8F9F9F	11	FCFCFCF	10	0404030	6	E9E9E9E	9	DDDCDBD	12	EDEDECE	5
9	0908060	10	0705050	10	191A1B1	5	E3E2E2E	9	E5E5E3E	11	EBEBECE	5
10	FEFEFEF	10	0303030	10	0303030	5	D7D7D7D	9	DEDEDED	11	E8E8E9E	5
11	FDFCFCF	10	0505060	10	FDFDFCF	5	E6E5E5E	9	DFDFDED	11	DCDCDCD	5
12	FAFBFCF	10	0406080	9	0403030	5	EAE9E9E	8	DDDDDDD	11	E6E4E3E	5
13	0606060	10	0807060	9	090A0B0	5	DFDEDDD	8	E3E4E5E	11	EFEFEFE	4
14	0102020	10	F6F6F5F	9	0E0E0E0	5	E1E1E2E	8	E0DFDFD	10	E4E6E9E	4
15	0808080	10	0404060	9	0302010	5	E6E6E5E	8	DEDDDDD	10	E5E7E8E	4
16	0404030	10	0304040	9	100E0D0	5	E9E9E8E	8	E1E1E2E	10	F2F2F2F	4
17	FAFBFBF	9	FBFBFBF	9	0104040	5	D8D8D8D	8	E6E6E5E	10	E9E9E9E	4
18	0807060	9	0F0F0E0	9	0A0B0C0	5	D4D4D4D	8	E3E3E4E	10	EAE9E8E	4
19	F5F5F5F	9	0404030	9	1818191	5	EDEDEDE	8	E1E2E3E	10	EAE9E8E	4
20	0A0C0C0	9	0706050	9	1111111	5	DADADBD	8	E9E9E9E	10	F6F7F8F	4
21	F9F9F8F	9	0000000	9	0C0B0B0	5	D7D8D9D	8	E7E7E7E	10	EEEECEBE	4
22	FAF8F8F	9	0403020	8	0706060	5	E6E6E6E	8	DEDDDCD	10	EEFEFEF	4
23	0100FFF	9	F7F6F6F	8	1010111	4	E8E8E8E	8	E2E2E3E	10	E6E7E9E	4
24	07080A0	9	0605050	8	0405040	4	E3E3E2E	7	E4E3E3E	10	E9E8E8E	4
25	0607080	9	F7F7F7F	8	0406090	4	D8D7D7D	7	E2E3E3E	9	E8E7E5E	4
26	FFFEFF0	8	FFFFFFF	8	100E0C0	4	DCDCDCD	7	E3E3E2E	9	D9DAD8D	4
27	09090A0	8	F5F5F5F	8	00FEFEF	4	E0E0E1E	7	DCDDDDD	9	ECECECE	4
28	FEFCFBF	8	0909090	8	0E0D0D0	4	E8E7E7E	7	E1E2E2E	9	EBEAE9E	4
29	F8F8F9F	8	FCFDFDF	8	0606050	4	D7D7D8D	7	EAAEAE9E	9	E9E9EAE	4
30	0403020	8	0504040	8	0103040	4	DADADAD	7	CDCCDCD	9	ECEAE9E	4
31	0202020	8	0605040	8	0E0F101	4	DEDFE1E	7	E0E0E1E	9	E9EAE8E	4
32	FDFDFCF	8	FCFCFDF	8	0B0A0A0	4	E2E1E1E	7	DDDDDCD	9	D8D8D9D	4
33	FCFBFAF	8	0002040	7	00FF020	4	E2E2E3E	7	E6E5E4E	9	EEEEEDE	4
34	F5F6F7F	8	0203040	7	0101040	4	DFDFDFD	7	DADAD9D	9	EEFEFEF	4
35	FEFEFF0	8	0306080	7	0B0B0C0	4	E2E3E2E	7	DFDFDDD	9	F5F7F8F	4
36	FFFEFDF	8	F8F9FBF	7	3B3B3B3	4	EFEFECE	7	E9EAE9E	9	E5E3E2E	4
37	FBFAF9F	8	0709090	7	0805040	4	E3E2E1E	7	E3E2E1E	9	E8E9EAE	4

Table V

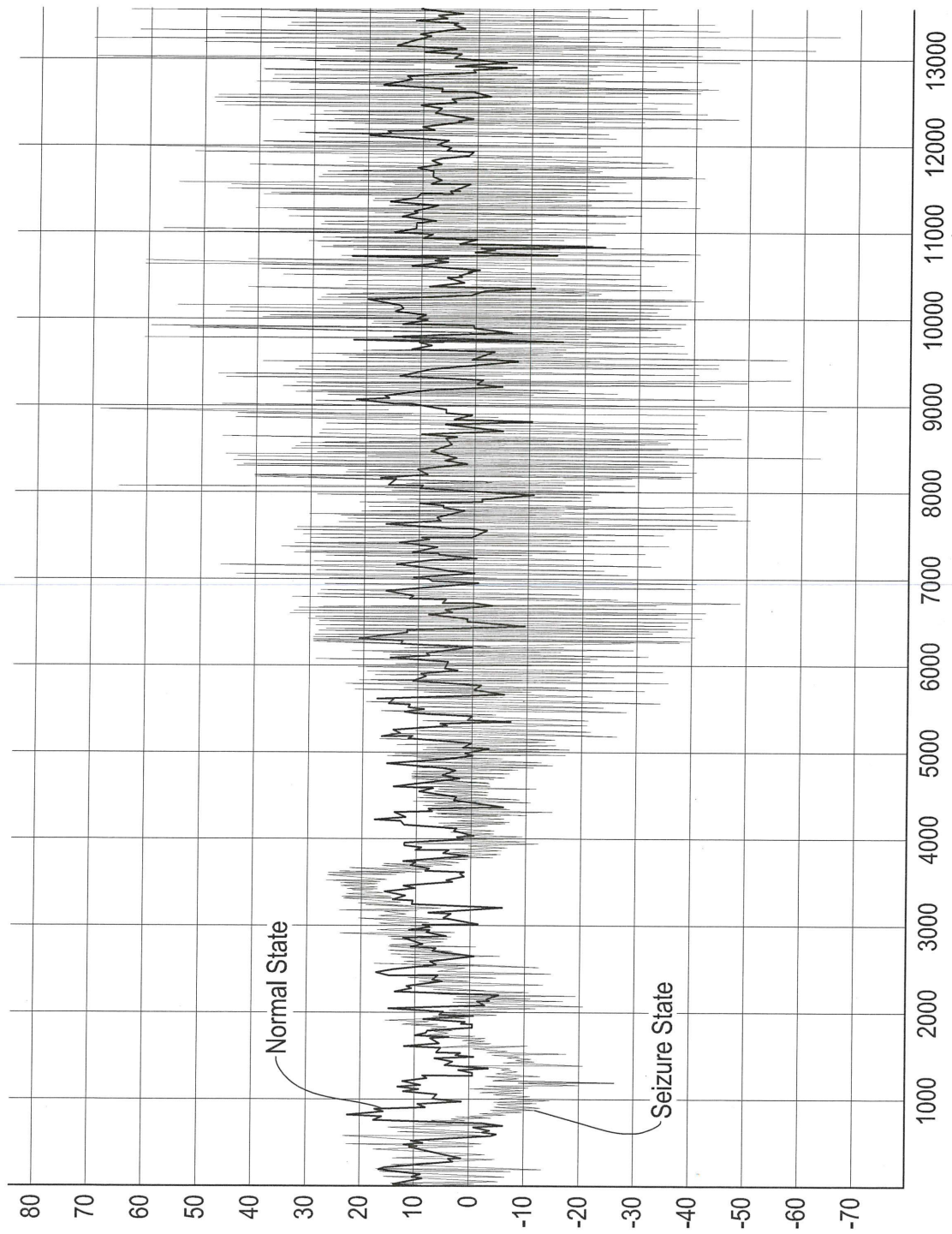
6 Nibble (half byte) pattern Matrix													
Sno	Data One					Data Two							
	NC		ANC1		ANC2	NC		ANC1		ANC2			
1	FFFFF	16	FFFFFF	15	010101	14	E0E0E0	22	DDDDDD	16	E2E2E2	23	
2	FDFFD	15	202020	14	101010	14	0E0E0E	17	FDFFD	15	2E2E2E	23	
3	DFDFD	15	020202	14	000000	8	E1E1E1	13	E2E2E2	15	DECEBE	7	
4	40404	15	000000	13	111111	8	DFDFD	12	E1E0E0	15	EFEFEF	7	
5	04040	15	505050	13	A0A0A0	7	FDFFD	11	DFDFD	15	EDECEB	7	
6	0FFFE	13	050505	13	040403	7	DEDEDE	11	2E2E2E	15	DFE0E2	6	
7	00000	13	9F9F9F	12	0B0B0A	7	E7E7E7	11	E1E0DF	15	E1E0E0	6	
8	00FFE	13	F9F9F9	12	0A0A0A	7	1E1E1E	11	6E6E6E	14	CEBEAE	6	
9	FEFDF	12	F4F4F4	12	B0B0A0	7	7E7E7E	11	E6E6E6	14	BDBDBD	6	
10	FCFCF	12	4F4F4F	12	FFFFFF	7	D9D8D7	10	DEDEDE	14	F0E2E2	6	
11	EDFCF	12	0F0F0F	12	818181	6	9D8D7D	10	CDCDCD	14	5E5E5E	6	
12	CFCFC	12	DFCFC	11	0E0E0E	6	9E9E9E	9	DCDCDC	14	E5E5E5	6	
13	FFFEF	11	404040	11	030303	6	6E5E5E	9	4E5E5E	14	DBDBDB	6	
14	F8F8F	11	111111	11	141414	6	EDDDDD	9	E2E1E0	14	DDDDDD	6	
15	F8F8A	11	DFCFC	11	030201	6	CDCDCD	9	E4E5E5	14	ECEBEA	6	
16	BFBFA	11	040404	11	B0C0C0	6	E9E9E9	9	EDEDED	14	DEDEDE	5	
17	FEFEF	11	303030	10	181818	6	E5E3E1	9	DFE0E1	13	CD0C0D	5	
18	EFEFE	11	0F0F0E	10	0F1010	6	7D7D7D	9	E0DFD	13	EEFEF	5	
19	AFAFA	11	F8F7F6	10	0B0C0C	6	3E2E2E	9	EEEEEE	13	E8E8E9	5	
20	FABFC	11	040403	10	404030	6	E3E2E1	9	DFDFDE	12	8E8E9E	5	
21	EFEF0	11	8F7F6F	10	090A0B	6	E3E2E2	9	0E1E2E	12	DEDECE	5	
22	FAFAA	11	030303	10	414141	6	E6E5E5	9	DDCDBD	12	DCDCDC	5	
23	8F9F9F	11	505060	10	FDFDFC	5	D7D7D7	9	F0E1E1	12	CECECE	5	
24	908060	10	050508	10	303030	5	DEDDDD	9	E0E1E2	12	BEBECE	5	
25	FEFEF	10	101010	10	191A1B	5	EDEDED	9	DDCDB	12	FEFEFE	5	
26	040403	10	FCFCFC	10	040504	5	DFDFE0	8	E5E5E3	11	6E4E3E	5	
27	010202	10	FFFF00	10	100E0D	5	4D4D4D	8	3E4E5E	11	E3E1E0	5	
28	080808	10	705050	10	00E0D0	5	E9E9E8	8	E0DFE0	11	E6E4E3	5	
29	DFCFC	10	070505	10	403030	5	6E6E6E	8	DEDFD	11	E8E8EC	5	
30	090806	10	CFCFCF	10	818191	5	DADADB	8	E3E2E1	11	EDEDEC	5	
31	060606	10	080706	9	C0B0B0	5	E6E6E6	8	E3E1E0	11	E0E0E0	5	
32	102020	10	304040	9	040303	5	AE9E9E	8	DEDED	11	EDED	5	
33	040302	10	F0F0E0	9	104040	5	D0D0D0	8	E4E4E3	11	EFEED	4	
34	404030	10	F8F8F8	9	302010	5	E8E8E8	8	E3E4E5	11	8E7E5E	4	
35	606060	10	040608	9	706060	5	BDBDBD	8	DFDED	11	2F2F2F	4	
36	808080	10	040406	9	A0B0C0	5	E0E0E1	8	5E5E3E	11	DBDBD8	4	
37	DFCFCF	10	6F6F5F	9	181819	5	D4D4D4	8	DEDDDD	11	CECEBE	4	

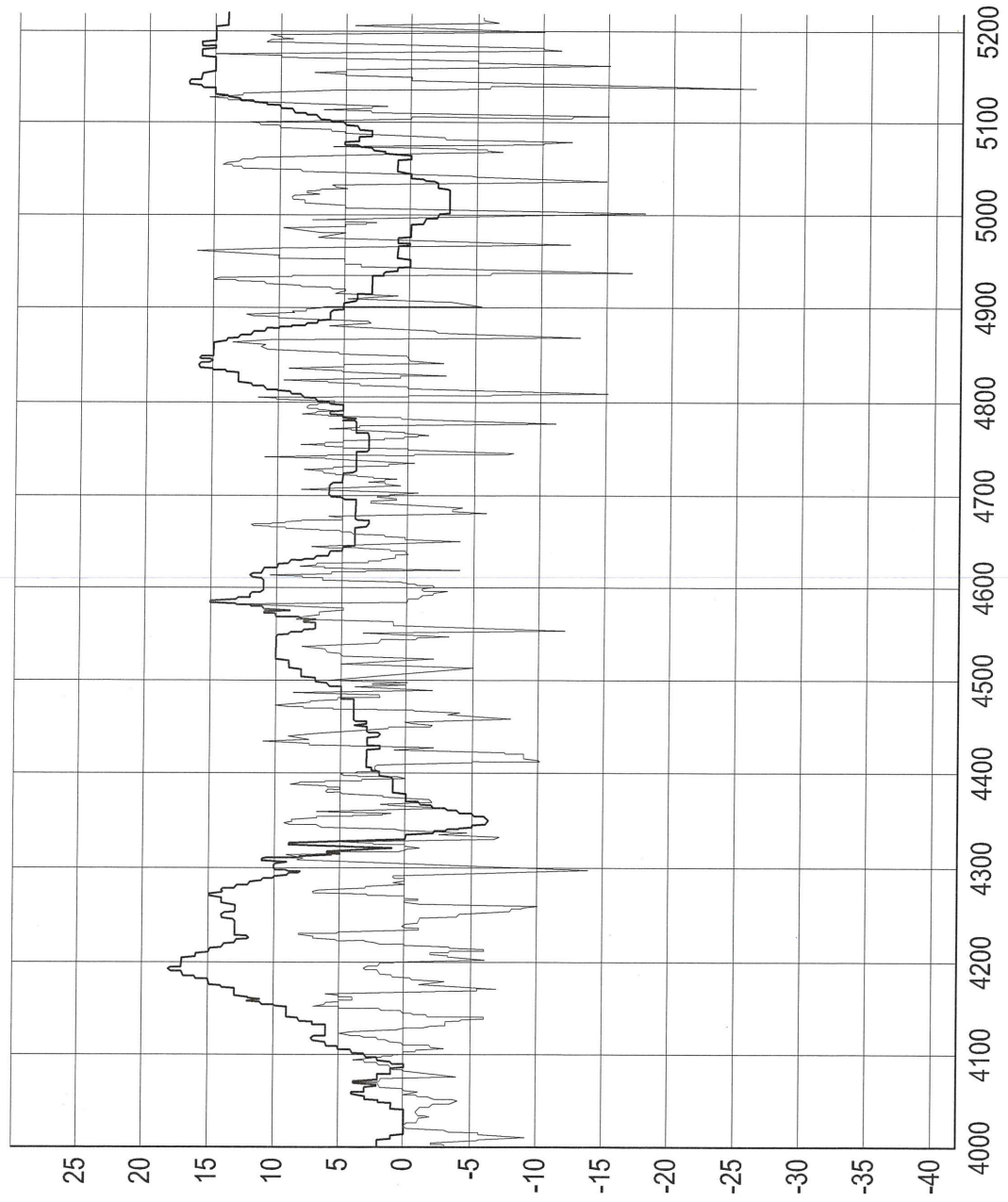
Table VI

Patient	Sdur/s	Pdur/hrs	NGRAM = 12			NGRAM = 14		
			S	P	Ratio	S	P	Ratio
1	19.49	6.10	514	778.9	0.66	269	393.3	0.684
2	147.35	0.89	6000	28727.5	0.209	2805	21811.3	0.129
3	108.63	1.67	11029	25517.8	0.432	8150	23742.1	0.343
4	77.30	1.03	743	324.6	2.289	577	83.2	6.935
5	14.98	0.99	1455	3246.8	0.448	1138	2991.8	0.38
6	107.94	1.80	2974	13409.7	0.222	1606	9053.5	0.177
7	79.55	1.70	938	16917.8	0.055	719	14890.9	0.048
8	178.87	1.10	27969	34800.6	0.804	19923	27931.6	0.713
9	38.56	1.04	990	6939.9	0.143	702	5465.6	0.128
10	87.07	1.18	14280	19114.6	0.747	10639	17416.9	0.611
11	41.55	1.05	2241	2216.3	1.011	981	861.8	1.14
12	61.33	1.00	2032	12806.2	0.159	1091	11541.4	0.095
13	76.13	1.18	4214	4809.5	0.876	1791	2451.3	0.731
14	70.77	1.34	14268	13165.1	1.084	12212	11027.6	1.11
15	31.51	0.94	5326	5523.1	0.964	4305	4452.6	0.97
16	170.61	1.36	29278	37282.8	0.785	21912	33935.4	0.646
17	58.87	1.81	1256	11120.3	0.113	988	9095.3	0.109
18	17.93	1.20	0	401.6	0	0	154.9	0
19	23.17	1.01	850	2688.7	0.316	469	1679.1	0.279
20	25.09	1.84	1323	4629	0.286	946	4098.1	0.231
21	89.91	0.93	17693	20965.5	0.844	15120	19932.2	0.759

Table VII

Patient	NGRAM = 10		NGRAM = 14
	10s	5s	5s
10	increase/decrease	increase/decrease	increase/decrease
11	none	none	none
12	decrease	decrease	increase/decrease
13	none	none	none
14	none	none	none
15	none	none	none
16	decrease/increase	decrease/increase	decrease/increase
17	decrease	decrease	increase
18	reduce variance	reduce variance	reduce variance
19	decrease/increase	decrease/increase	increase
1	decrease	none	none
20	decrease	decrease	decrease
21	none	decrease	decrease
2	decrease	decrease	decrease
3	decrease	decrease	decrease
4	none	increase	increase
5	decrease	decrease	decrease
6	decrease	decrease/increase	increase
7	decrease	decrease	increase/decrease
8	decrease	decrease	none
9	decrease	decrease	increase

FIG. 11

FIG. 12

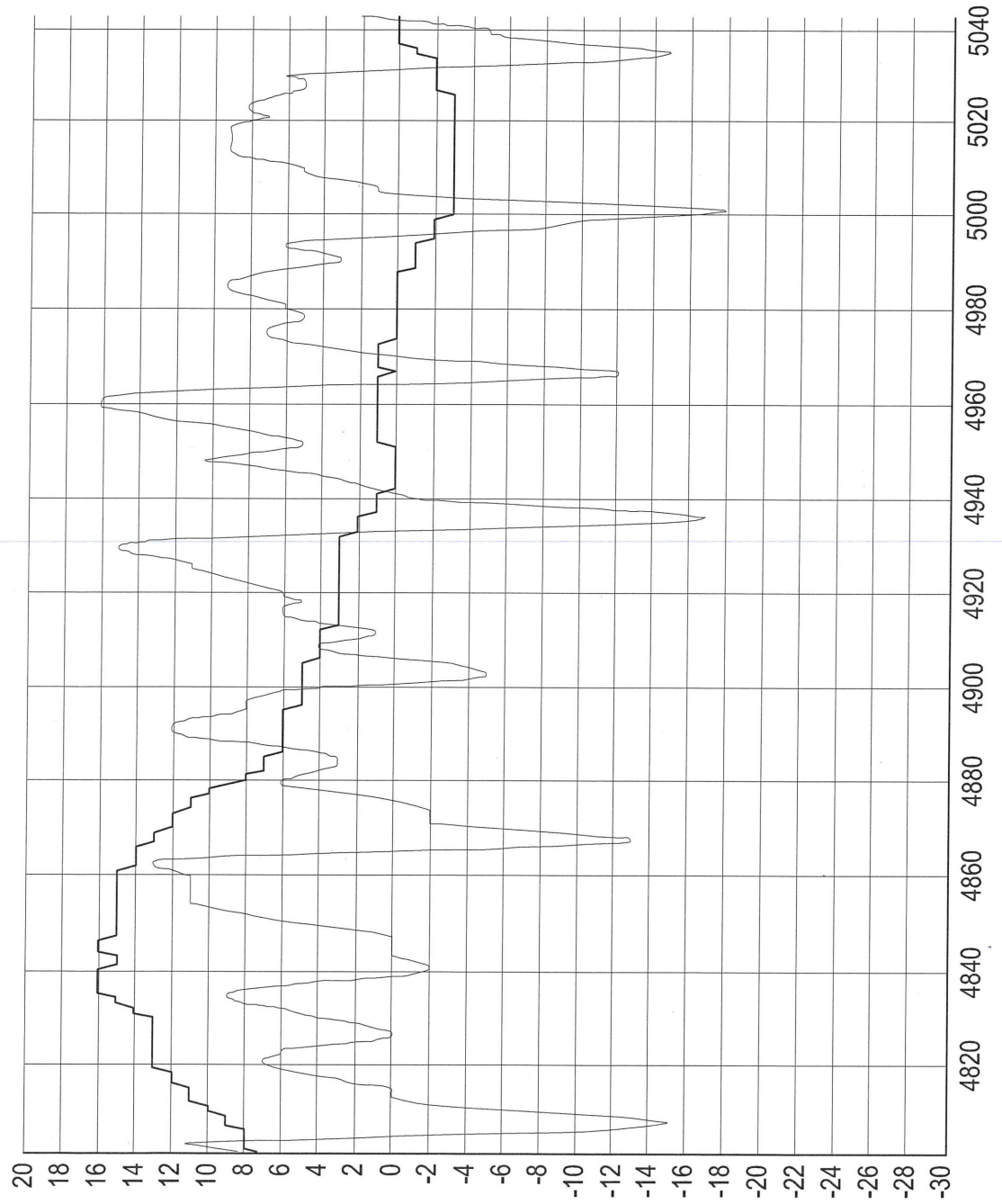


FIG. 13

[illegible]

FIG. 14

Case Parameters									
Case ID:	0007	Data Source:		Clinical					
Species:	Human	Gender:		Female					
DOB:	12/01/1968	Condition:		Abnormal					
Run Parameters									
Run ID:	0013	Filename:		sample_data.txt					
File Type:	ASCII 16	Data Type:		Deep Brain					
Pattern Weight:	256	Weight Range		Fixed					
Pattern A Length (ER)	10	Pattern B Length		0					
Pattern C Length (ER)	0	Pattern D Length		0					
Raw Data									
-3.5100000e+002	-2.3800000e+002	-1.0500000e+002	-3.2000000e+001	FFFF	FFFF	0000	0000	0000	0000
1.5000000e+001	7.1000000e+001	1.6100000e+002	3.2200000e+002	0000	0000	0001	0001	0002	0002
6.5300000e+002	7.1800000e+002	7.1000000e+002	6.6400000e+002	0003	0003	0003	0003	0002	0002
5.1600000e+002	4.7000000e+002	4.4700000e+002	4.4700000e+002	0002	0002	0002	0002	0002	0002
5.0900000e+002	6.1500000e+002	6.8800000e+002	7.4200000e+002	0002	0002	0002	0002	0002	0002
6.2600000e+002	6.0700000e+002	6.3300000e+002	6.8300000e+002	0002	0002	0002	0003	0003	0003
7.9700000e+002	8.5600000e+002	9.2100000e+002	1.0830000e+003	0003	0003	0004	0004	0005	0005
1.5540000e+003	1.8000000e+003	1.9300000e+003	1.9730000e+003	0006	0007	0008	0008	0008	0008
1.9360000e+003	1.8650000e+003	1.8510000e+003	1.7920000e+003	0008	0007	0007	0007	0006	0006
-2.4970000e+003	-2.1130000e+003	-1.7090000e+003	-1.4010000e+003	FFF6	FFF8	FFF9	FFFB	FFFB	FFFB
-1.0890000e+003	-9.6900000e+002	-9.0800000e+002	-8.2800000e+002	FFFC	FFFC	FFFC	FFFD	FFFD	FFFD
-5.7800000e+002	-4.1300000e+002	-2.9600000e+002	-1.8500000e+002	FFFE	FFFE	FFFF	FFFF	0000	0000
-7.6000000e+001	-6.7000000e+001	-5.6000000e+001	-2.8000000e+001	0000	0000	0000	0000	0000	0000
1.4200000e+002	1.8700000e+002	2.3300000e+002	2.3000000e+002	0001	0001	0001	0001	0001	0001
2.4500000e+002	2.2700000e+002	1.2600000e+002	1.6300000e+001	0001	0001	0000	0000	0000	0000
-1.4100000e+002	-1.8700000e+002	-1.8700000e+002	-1.7500000e+002	FFFF	FFFF	FFFF	FFFF	0000	0000
3.0000000e+000	1.4500000e+002	3.3600000e+002	5.1300000e+002	0000	0001	0001	0002	0002	0003
8.6100000e+002	1.0200000e+003	1.1080000e+003	1.0960000e+003	0003	0004	0004	0004	0004	0004

FIG. 15

Case Parameters					
Case ID:	0007	Data Source:		Clinical	
Species:	Human	Gender:		Female	
DOB:	12/01/1988	Condition:		Abnormal	

Run List					
seq.	RunID	File Name	Comment	Size Pattern	Size Anomalies
0001	0013	sample_data.txt	Seizure	40, 732 4, 156	36, 576 89.80%
0002	0014	sample_data.txt	Normal	40, 732 39, 090	1, 642 4.03%

Run Parameters					
Run ID:	0013	Filename:		sample_data.txt	
File Type:	ASCII 16	Data Type:		Deep Brain	
Pattern Weight:	256	Weight Range		Fixed	
Pattern A Length (ER)	10	Pattern B Length		0	
Pattern C Length (ER)	0	Pattern D Length		0	

Sequence	Pattern	Count
0000	0005 0005 0005 0005 0005 0005 0004 0004 0004	7
0001	0005 0005 0005 0005 0005 0004 0004 0004 0004	6
0002	0006 0006 0006 0005 0005 0005 0005 0005 0005	5
0003	0005 0005 0005 0005 0006 0006 0006 0006 0006	5
0004	0006 0006 0006 0006 0006 0006 0006 0006 0006	5
0005	0002 0002 0002 0002 0002 0002 0003 0003 0003	5
0006	0003 0003 0003 0003 0003 0003 0003 0003 0003	5

0036	0006 0006 0006 0006 0006 0007 0007 0007 0007	3
0037	000D 000D 000D 000D 000D 000D 000C 000C 000B	3
0038	0003 0003 0003 0002 0002 0002 0002 0002 0002	3
0039	0007 0007 0007 0007 0007 0007 0007 0006 0006	3
0040	0001 0000 0000 0000 0000 0000 0000 0000 0000	3
0041	000E 000E 000E 000E 000F 000F 000F 000F 000F	3

FIG. 16

Run Parameters				
Run ID:	0014	Filename:	sample_data.txt	
File Type:	ASCII 16	Data Type:	Deep Brain	
Pattern Weight:	256	Weight Range	Fixed	
Pattern A Length (ER)	10	Pattern B Length	0	
Pattern C Length (ER)	0	Pattern D Length	0	

Sequence	Pattern	Count
0000	0009 0009 0009 0009 0009 0009 0009 0009	63
0001	0008 0008 0008 0008 0008 0008 0008 0008	49
0002	0005 0005 0005 0005 0005 0005 0005 0005	47
0003	0007 0007 0007 0007 0007 0007 0007 0007	47
0004	0005 0005 0005 0005 0006 0006 0006 0006	42
0005	0008 0008 0009 0009 0009 0009 0009 0009	41
0006	000C 000C 000C 000C 000C 000C 000C 000C	41
0047	0007 0007 0008 0008 0008 0008 0008 0008	33
0048	000C 000C 000C 000C 000C 000C 000C 000B	33
0049	000C 000C 000C 000C 000C 000C 000B 000B	33
0050	0008 0008 0008 0007 0007 0007 0007 0007	33
0051	0007 0007 0007 0007 0007 0008 0008 0008	32
0052	0009 0009 0009 0009 0009 0009 000A 000A	32

FIG. 17



FIG. 18