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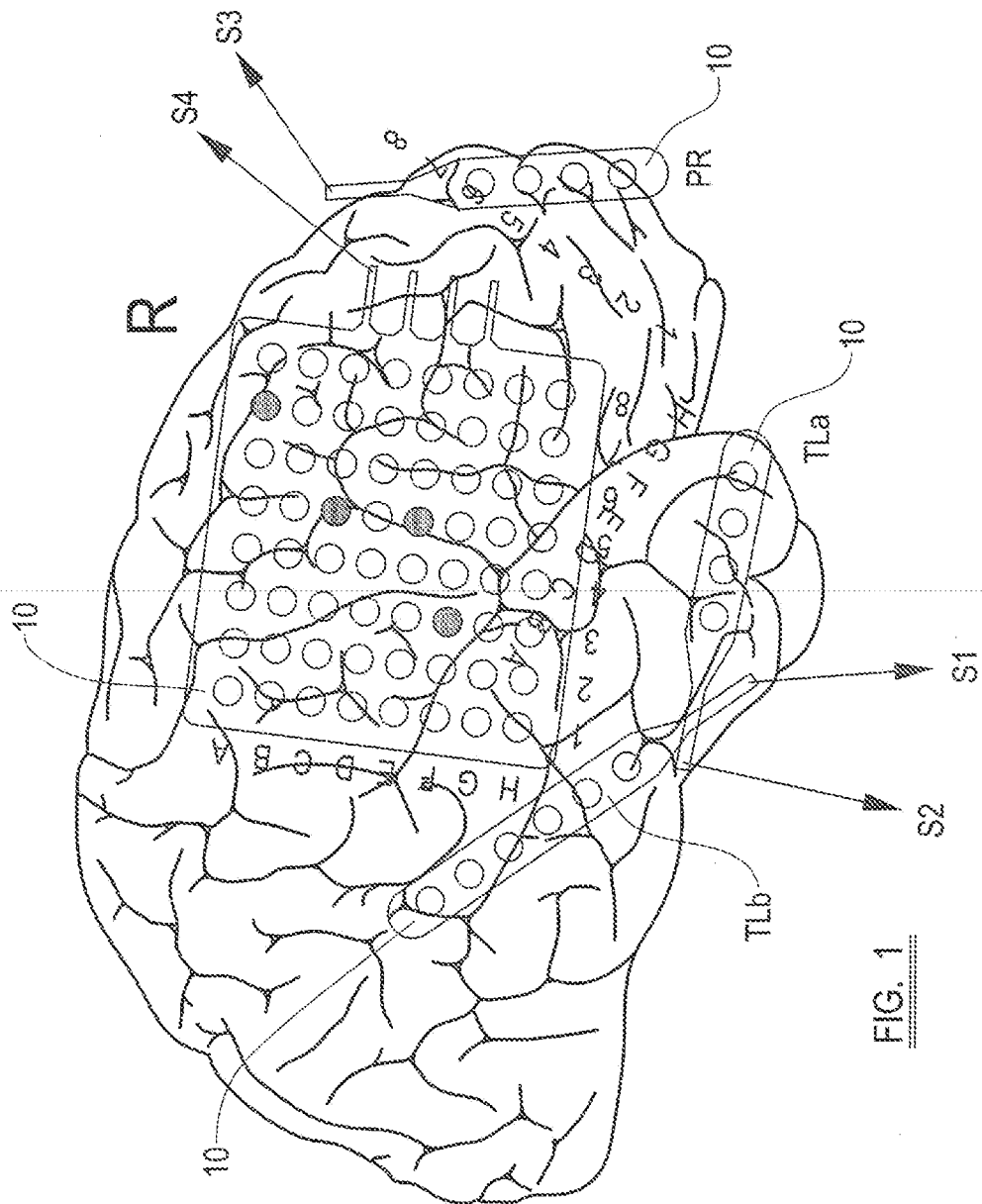
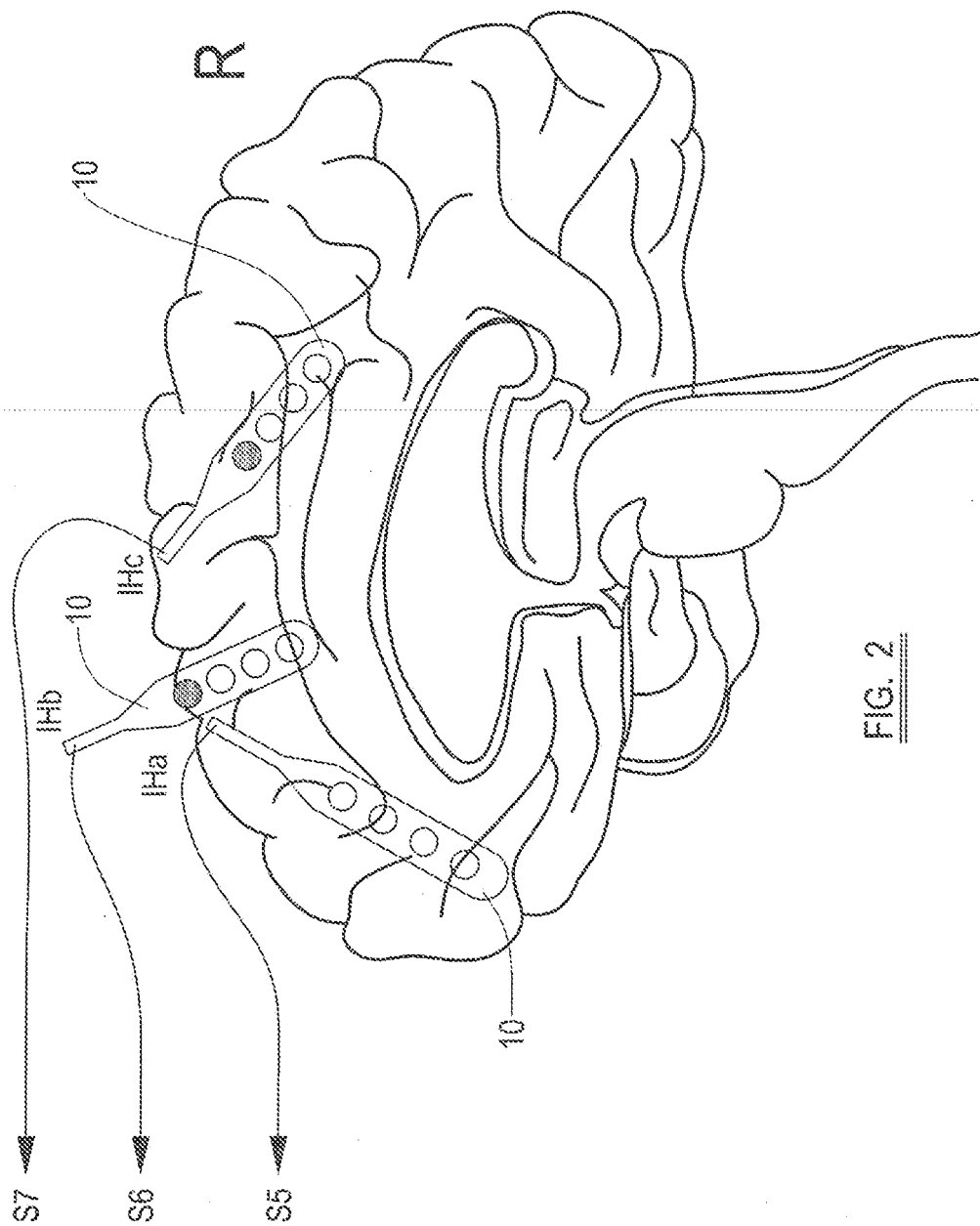


FIG. 1

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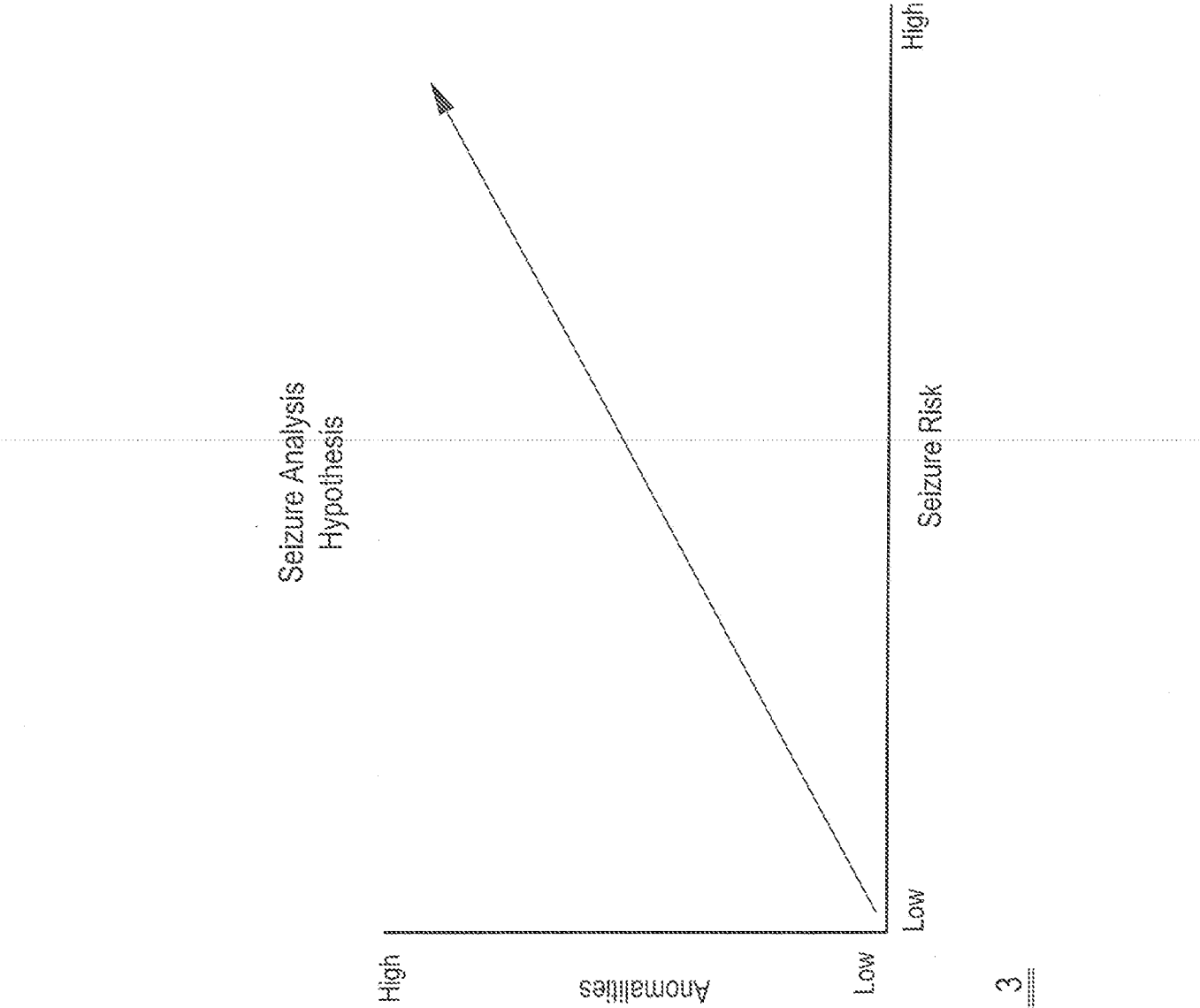
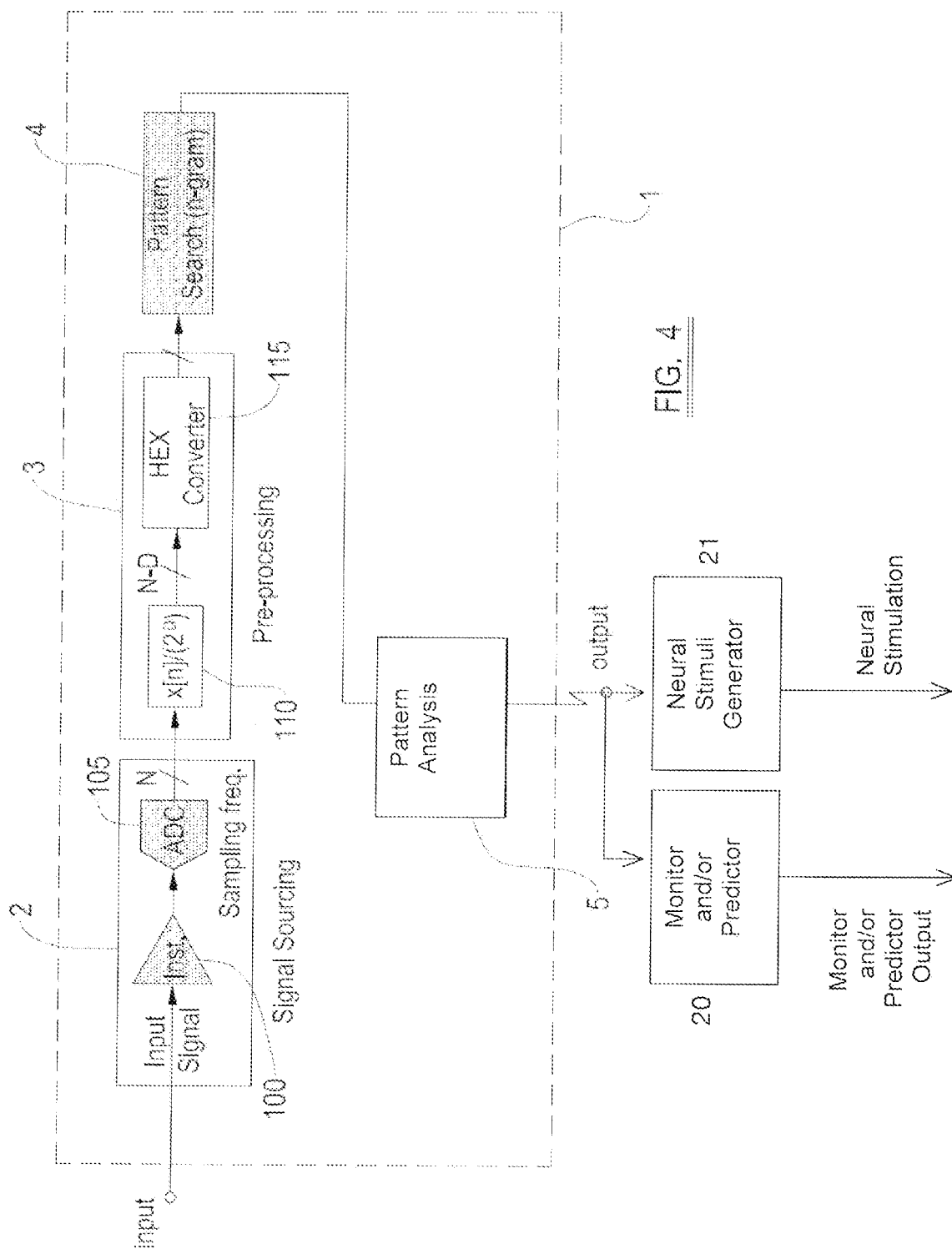
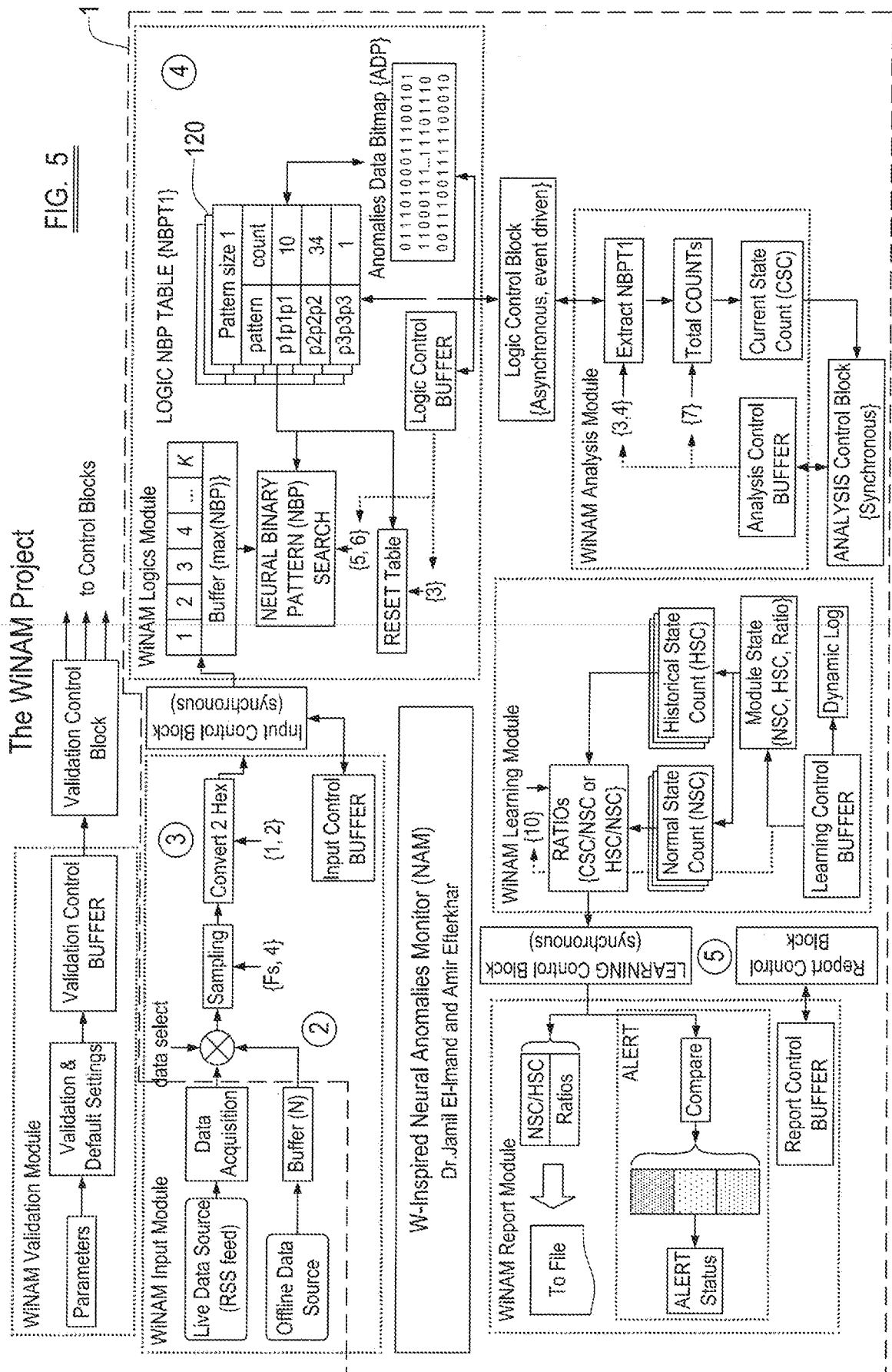


FIG. 3

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6A			Seizure onset Normal				6B				6C				6D							
Patient	Sex	Age	Seizure Type	HINC	Origin	Seizure Duration (ANC2) / seconds	NC Location before seizure / hours	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	6.40	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	34188	0.36	12256	34041	0.36	12256	34249	0.3578			
3	m	14	SP, CP	NC	Frontal	108.63	1.07	13578	26721	0.5081	13130	26593	0.4975	10705	19481	0.5485	10705	19945	0.5367			
4	f	26	SP, CP, GTC	H	Temporal	77.30	1.03	933	6763	0.1375	933	6783	0.1376	343	6783	0.0506	343	9792	0.036			
5	f	16	SP, CP, GTC	NC	Frontal	14.98	0.99	1703	3340	0.5099	1616	2877	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	22898	0.308	6361	15569	0.3426	6361	19231	0.3489			
7	f	42	SP, CP, GTC	H	Temporal	79.55	1.70	2434	18879	0.1289	2356	18309	0.1287	1885	12063	0.1563	1885	12307	0.1532			
8	f	32	SP, CP	NC	Frontal	178.87	1.40	34388	39070	0.8802	33375	37118	0.8891	32437	35957	0.9024	32437	35965	0.9019			
9	m	44	CP, GTC	NC	Temporo/Occipital	38.56	1.04	1739	9426	0.2063	1719	7269	0.2369	1139	8863	0.1632	1139	6751	0.1637			
10	m	47	SP, CP, GTC	H	Temporal	87.07	1.19	29999	20468	1.0259	16773	17783	0.9432	15050	16163	0.9311	15050	15698	0.9649			
11	f	40	SP, CP, GTC	NC	Parietal	41.55	1.05	4140	4467	0.9221	4305	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	9862	9092	0.9747	9862	9663	0.917			
13	f	22	SP, CP, GTC	H	Temporo/Occipital	76.13	1.18	6214	11948	0.5245	6214	11948	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	14868	13698	1.0708	12822	11545	1.1106	12822	12028	1.066			
15	m	31	SP, CP, GTC	H, NC	Temporal	31.51	0.94	7088	7418	0.9552	6409	5571	1.1504	5026	4903	1.0251	5026	4706	1.0682			
16	f	60	SP, CP, GTC	H	Temporal	170.61	1.36	35483	33797	0.9146	34315	37655	0.9113	33971	37262	0.9112	33971	36486	0.9311			
17	m	28	SP, CP, GTC	NC	Temporal	56.87	1.81	1747	12678	0.1357	1292	11475	0.1126	591	10720	0.0551	591	10582	0.0558			
18	f	35	SP, CP	NC	Frontal	17.93	1.29	36	1133	0.0318	36	1133	0.0318	36	1133	0.0318	36	963	0.0374			
19	f	29	SP, CP, GTC	NC	Frontal	23.17	1.01	1716	3716	0.4618	1508	3568	0.4226	1278	9427	0.3729	1278	3516	0.3625			
20	m	33	SP, CP, GTC	NC	Temporo/Parietal	25.09	1.84	2931	5548	0.5282	2723	4911	0.5545	2276	3455	0.6588	2276	3169	0.7102			
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

Central sulcus

Parietal lobe

Frontal lobe

Occipital lobe

Sylvian fissure

Temporal lobe

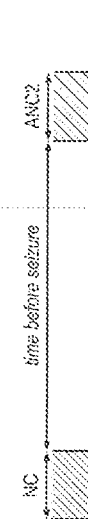
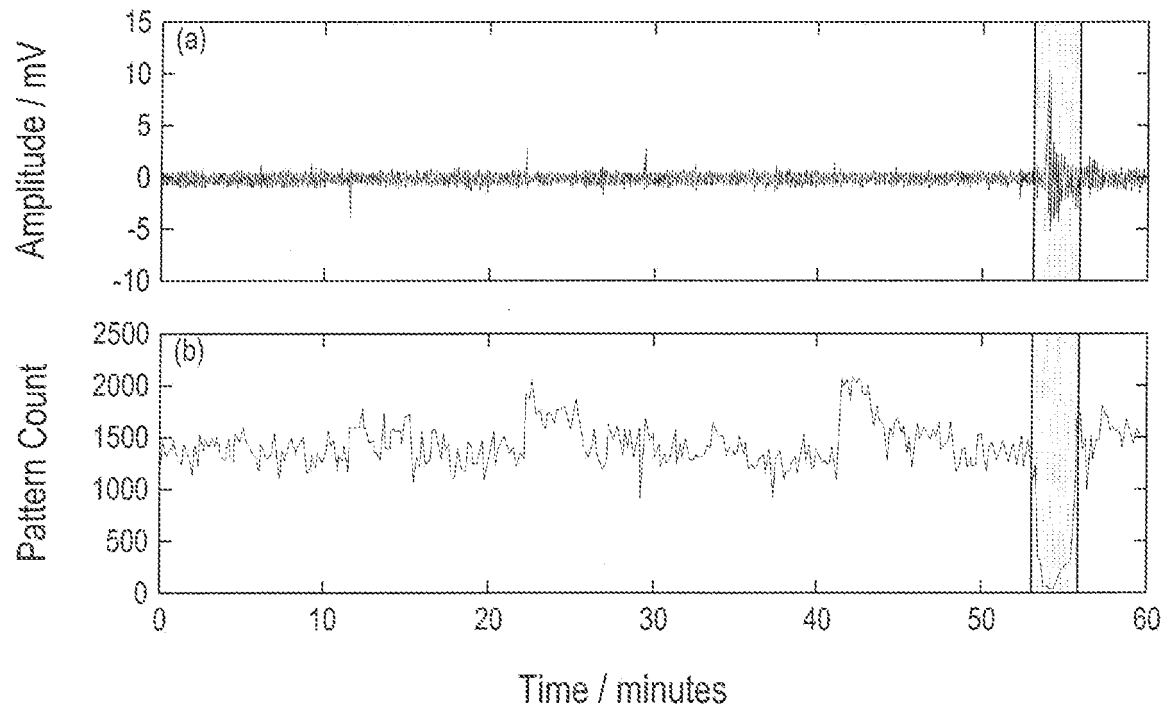
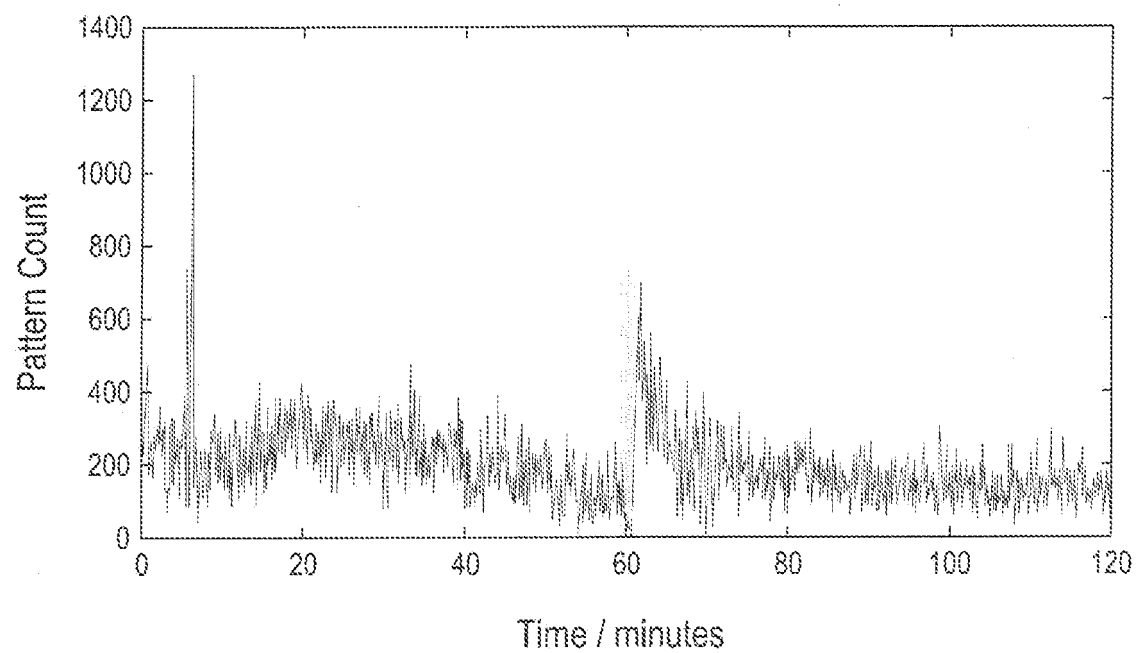


FIG. 6

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FIG. 7

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FIG. 8

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COMMAND

Case - New

NEURAL DATA ANALYSIS LABORATORY

Run ID:

File Type:

ASCII 16

Data Type:

EEG

Electrode Type:

Other

Electrode ID:

0001

Electrode Location:

F1

Pattern Weight:

128

Weight Range:

Fixed

Skip to:

00:00:00

Unique ID:

Data Source:

Clinical

Species Type:

Human

Ethnicity:

White

Gender:

Male

DOB (DD/MM/YY):

Condition:

Normal

Condition Name:

Normal

Case Status:

Open

Frame Length:

00:00:10

Frame Gap:

00:00:00

Frame Frequency:

1

Alert?

Yes

Diagnose?

Yes

Physical State:

Active

Mental State:

Active

Drug Administered:

None

Pattern A Length (ER):

4

Pattern B Length (ER):

0

Pattern C Length (ER):

0

Pattern D Length (ER):

0

Exclude List:

Min. Occurrence:

2

Store

WINAM Data Input

Offline

Load

Live (RSS) In

Load file...

1

WINAM NBP Counts

NBP - Pattern A

NBP - Pattern B

NBP - Pattern C

NBP - Pattern D

Click to view...

2

Start

Stop

WINAM Four Step Analysis Process

WINAM Results

Diagnose

WINAM Charts

Live (RSS) Out

Summary

Alert Status

4

Click to view...

WINAM Anomalies Ratio

Case Ratio

Run Ratio

Interval Ratios

Correlation Bit Map

Click to view...

3

9
9
9

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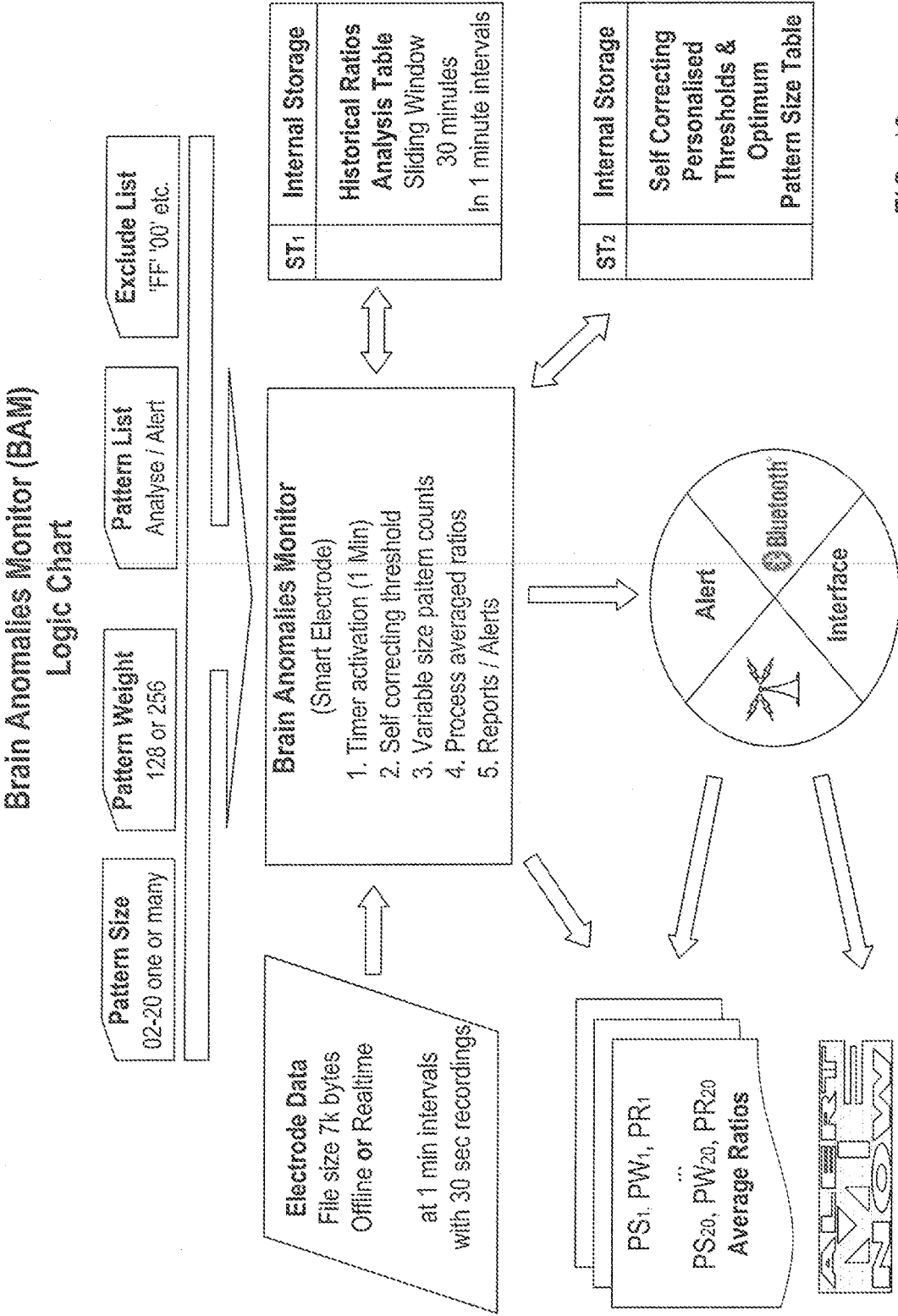


FIG. 10

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①
②
③
④

[illegible]

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Table II

9 Nibble (half byte) pattern Matrix												
Sno	Data One					Data Two						
	NC	ANC1	ANC2	NC	ANC1	ANC2	NC	ANC1	ANC2	NC	ANC1	ANC2
1	0100FFFFF	7	F4F4F4F4F	7	101010101	6	E0E0E0E0E	9	DCDCDCDCD	8	E2E2E2E2E	19
2	040404040	7	020202020	5	010101010	5	0E0E0E0E0	8	E2E2E2E2E	8	2E2E2E2E2	18
3	F8F8F8F8F	6	060505050	5	141414141	3	E7E7E7E7E	6	E0E0D0CDD	5	E9EAE8E8E	3
4	F4F4F8F4F	6	070505050	5	080C0C0C0	3	D8D7D7D7D	5	E3E1E0DDE	5	E0E8EAE9E	3
5	F0D0F0D0F	5	F8F8F7F8F	4	191A1B1C1	3	EFECECECE	5	E8E8E8E8E	5	E3E5E5E5E	3
6	060606060	5	700505050	4	0201FFFFF	3	E1E1E1E1E	5	E7E6E6E6E	5	0B0B0B0B0	3
7	20100FFFE	5	F9F9F9FAF	4	181819181	3	E6E6E6E6E	5	DEDDDDDDD	5	EEFEFEFEF	3
8	F4FAFAFAF	5	F5FCFCFCF	4	01010100F	3	D8D8D7D8D	5	E0D0D0D0D	5	ECE8E8E8E	3
9	020100FFF	5	050506070	4	010404030	3	D0D0D0D0D	5	E1E0E0D0D	5		
10	FFFEF0D0F	4	070605050	4	181818181	3	DEDDDDDDD	4	E3E4E5E5E	5		
11	F6F5F6F7F	4	0E0C09070	4	FF0002030	3	DDDCDCDCD	4	E9E9E8E8E	5		
12	F8FEFAF7F	4	050204040	4	040303030	3	E9E9E7E7E	4	E4E3E2E1E	4		
13	F4FAFBFCF	4	F6F6F6F5F	4	13100E0C0	3	EFECECEAE	4	E9E9E8E8E	5		
14	FFFEFCF8F	4	0203090CF	4	0A0609A00	3	DDDDDCDDAD	4	E7E8EAECE	4		
15	090A0C0C0	4	000000000	4	3B3B3B3B3	3	E8E7E7E7E	4	D0D0D0D0D	4		
16	FEFDF0CFB	4	0F0F0F0F0	4	1B1B1A191	3	E3E2E1E1E	4	E4E5E5E5E	4		
17	0C0A05080	4	030406080	4	0E0C08080	3	E8E3E10FD	4	DDDCDDDDAD	4		
18	FFFFFEFF0	4	F4F9F9F9F	4			E0E0E0E00	4	F7F7F7F7F	4		
19	FCFCFCFCF	4	080708050	4			7E7E7E7E7	4	DEDEDDDDD	4		
20	F0FCFCFCF	4	080909090	4			E1E1E0E0E	3	DEDFE0E1E	4		
21	F6F7FAFAF	4	060605030	4			DDDDDDDDD	3	CCDDDDDDD	4		
22	F4F8F8F8F	4	060403020	4			1E0E0E0E0	3	F0E1E2E2E	4		
23	FCFCFE000	4	030305060	4			E1E0E0E0E	3	E8E5E7EAE	4		
24	F8F9F8F8F	4	040406070	4			E5E4E4E6E	3	E1E2E2E3E	4		
25	F0D0F0D0F	4	040403010	4			E2E10FD0D	3	DFE0E1E3E	4		
26	960506070	4	060503030	3			DDDDDDAD8D	3	E6E6E6E6E	4		
27	FEFEFEFF0	4	050E000C0	3			F0FEFEFECE	3	E9EAE9E7E	4		
28	FCFCFAF8F	4	F6F8F5F3F	3			E2E3E2E1E	3	E2E2E2E3E	4		
29	030407070	4	F4F4F5F5F	3			DDDDDDDDCF	3	E2E3E4E5E	4		
30	8F7FAFAF9	4	0302FFFFF	3			DDDDDDDD9D	3	EAE8E8E8E	4		
31	404040404	4	F8F7F8F7F	3			DDDDDDAD8D	3	E5E5E3E0D	4		
32	FFFFF0F0F	4	1010100F0	3			E3E3E2E2E	3	E8E7E7E5E	4		
33	0A0908080	4	03000200F	3			F3FEFEFE9E	3	DDDDDDDDXD	4		
34	FEFDF0CFB	4	020404030	3			9E9E7E7E7	3	E0D0D0D0D	4		
35	F7FAFAF8F	4	0308060C0	3			E6E6E5E5E	3	E2E2E3E3E	4		
36	040504020	4	0200F0F8F	3			D8E1E2E2E	3	EAE8E8E8E	4		

Table III

8 Mibble (half byte) pattern Matrix												
Srv	Data One						Data Two					
	NC	ANC1	ANC2	NC	ANC1	ANC2	NC	ANC1	ANC2	NC	ANC1	
1	40404040	7	F4F4F4F4	7	01010101	6	F0E0E0E0	13	D0C0C0C0	7	2E2E2E2E	
2	04040404	7	4F4F4F4F	7	10101010	6	0E0E0E0E	9	C0C0C0C0	7	E2E2E2E2	
3	0100FFFE	7	38050505	6	01010100	4	DFDFDFDF	6	E5E5E5E5	7	EEFEFEFE	
4	100FFFEF	7	30503050	6	0608080A	3	7E7E7E7E	6	E1E0E0DF	8	ECBBAE8	
5	F4FBFBFA	6	20203020	6	B3B3B3B3	3	E7E7E7E7	6	E2E2E2E2	6	CEBAE9E	
6	3F9F9F8F	6	00000000	6	20FFFFDF	3	FEFECECB	5	DFDEDF	6	EEFEFEFE	
7	F8F9F9F8	6	02020202	6	191A1B1C	3	E8E8E8E5	5	2E2E2E2E	6	ECBBAE8	
8	AFBFBFAF	6	07050505	5	81819181	3	E1E1E1E2	5	D0D0D0D0	6	CEBBAE8	
9	02100FF	5	70503050	5	0A0C0C0D	3	FECECEBE	5	EDDC0B0D	5	E5E5E5E5	
10	FCDFDFD	5	FFFFF	5	FD1DFCFE	3	8D7D7D7D	5	00EDC0C0	5	EEFEFEFE	
11	F4FAFAFA	5	F4F9F9F9	4	04030303	3	D8D8D7D8	5	E0DFDFDE	5	9FAE8F0E	
12	AFAFAFAF	5	04040301	4	40303030	3	D8D7D7D7	5	DEDEDEDE	5	SESESESE	
13	09300605	5	06070605	4	81819181	5	3E3E3E3E	5	E0DFDFDE	5	08D8D8D8	
14	FEFEFEFF	5	01010101	4	FFFFF00	3	FD0FDFD	5	F0C0C0C0	5	E2C0DAD8	
15	20100FF	5	00030607	4	FF000203	3	E5E5E5DF	5	8E8E8E8E	5	BD8D8D8D	
16	0FDFDFDF	5	40403010	4	01000000	3	908D7D8D	5	E3E3E3E5	5	E9EA8E8C	
17	60300060	5	FCF0F0E0	4	0E0C0806	3	1E1E1E7E	5	00FDFDFD	5		
18	FFFFFEFF	4	80402030	4	41414141	3	F2F1F1F1	4	6E5E5E5E	5		
19	FFFEFCF8	4	00030506	4	E0C08080	3	D0C0C0C0	4	E7E8E8E6	5		
20	EFDFCFBF	4	80706050	4	01040403	3	E3E2E1E1	4	E8E8E8E5	5		
21	DFCFDFDF	4	F8F9F9FA	4	10040403	3	3E2E1E1E	4	E9E9E9E8	5		
22	F4FAFBFC	4	E0C8070	4	3E3E3E3B	3	EDD0D0D0	4	3E1E0DDE	5		
23	F4FBFBF9	4	0F0FDF0E	4	16181818	3	9E8E7E7E	4	DE0D0CDB	5		
24	FEFDFDF	4	0E0C0907	4	3100EBC0	3	D0C0B0AD	4	FDEDEDED	5		
25	F9F9F8F6	4	20203FDF	4	B1B1A191	3	FEFE8E8A	4	1E0E0DDE	5		
26	AF8F8F9F	4	90204040	4	0301FFFD	3	E9E8E7E7	4	3E4E5E5E	5		
27	FFFEFD0D	4	FBFCFCFC	4	908090A0	3	C0C0C0C0	4	7E8E8E8E	5		
28	F0FDFDFC	4	70805050	4	201D1B1A	3	3E7E7E7E	4	DFDFDFDE	5		
29	FFFEFCF8	4	020206FD	4	1B1B1A19	3	D0C0B0DA	4	DCD8D8D8	4		
30	FCFCFCFC	4	FFFF0000	4	14141414	3	D0D0D0D0	4	7E8EAECE	4		
31	06050807	4	10101010	4	F0020303	3	CE0C0C0C	4	DDDDDDDD	4		
32	04050402	4	30408080	4	16181818	3	E2E1DFDF	4	DFDFDFDF	4		
33	00A0928	4	6F6F6F5F	4	03020100	3	3E3E1DFD	4	0E1E2E2E	4		
34	8F8F8F7F	4	8F8F7F6F	4	1010100F	3	E0E0E1E1	4	E4E3E2E1	4		
35	F7FAFAF9	4	0E0F1010	4	80C0C0C0	3	E8E1E1E1	4	2E2E3E3E	4		
36	FEFDFCFB	4	30305080	4	13100E0C	3	E8E7E7E7	4	C0B8D8D0	4		

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Table IV

7 Nibble (half byte) pattern Matrix											
Data One						Data Two					
Sno	NC	ANC1	ANC2	NC	ANC1	NC	ANC2	ANC1	ANC2	NC	ANC2
1	FDFFDF	15	0202020	14	0101010	13	0000000	17	E2E2E2E	15	E2E2E2E
2	0404040	15	0505050	13	1010101	8	0000000	13	E4E5E5E	14	2E2E2E2
3	00FFFEF	13	F4F4F4F	12	0A0A0A0	7	E1E1E1E	11	E8E8E8E	14	ECECECE
4	FCFCFCF	12	F9F9F9F	12	0B0B0B0	7	E7E7E7E	11	DFDFDFD	13	DFE2E2E
5	FEFDFCF	12	FDFFCF	11	1818181	6	DFDFDFD	10	DCDCDCD	12	DBD808D
6	FAFAFAF	11	0404040	11	0808080	6	0808080	10	DFE0E1E	12	E5E5E5E
7	F8F8F8F	11	F6F7F8F	10	1414141	6	DEDDDD	9	E0E1E2E	12	ECCECECE
8	F8F9F9F	11	FCFCFCF	10	0404040	6	E8E9E9E	9	DDDCDCD	12	EDEDECE
9	0808080	10	0705050	10	191A1B1	5	E3E3E3E	9	E5E5E3E	11	EBE5E5E
10	FEFEFEF	10	0303030	10	0303030	5	DFDFDFD	9	DEDEDED	11	E8E8E9E
11	FDFFCF	10	0505050	10	FDFFCF	5	E8E9E9E	9	DFDFDFD	11	DDDCDCD
12	FAFBFCF	10	0408080	9	0403030	5	EAE9E9E	8	DDDCDCD	11	E6E4E3E
13	0806080	10	0807080	9	050A080	5	DFDFDFD	8	E3E4E5E	11	EFEFEFE
14	0102020	10	F6F8F8F	9	0E0E0E0	5	E1E1E3E	8	E0DFDFD	10	E4E5E9E
15	0808080	10	0404080	9	0302010	5	E8E6E5E	8	DEDDDCD	10	E5E7E8E
16	0404030	10	0304040	9	1005000	5	E8E9E8E	8	E1E1E2E	10	F2F2F2F
17	FAFBFBF	9	F8FBFBF	9	0104040	5	DBDBDBD	8	E8E6E5E	10	E9E9E8E
18	0807080	9	0F0F0ED	8	0A0B0C0	5	D4D4D4D	8	E3E3E4E	10	E9E9E9E
19	F5F5F5F	9	0404030	9	1818191	5	EDEDEDE	8	E1E2E3E	10	EAE9E8E
20	0A0C0C0	9	0706050	9	1111111	5	DADADBD	8	E9E9E9E	10	F6F7F8F
21	F3F9F8F	9	0000000	9	0C0B080	5	D7D8D9D	8	E7E7E7E	10	EECECECE
22	F4F5F8F	9	0403020	8	0708080	5	E8E8E6E	8	DEDDDCD	10	EEFEFEF
23	0100FFF	9	F7F7F6F	8	1010111	4	E8E8E8E	8	E2E2E3E	10	E6E7E9E
24	07080A0	9	0805050	8	0405040	4	E3E3E2E	7	E4E3E3E	10	E9E8E8E
25	0607080	9	F7F7F7F	8	0408080	4	D8D7D7D	7	E2E3E3E	9	E8E7E5E
26	FEFEFF0	8	FFFFFFF	8	1005000	4	DCDCDCD	7	E3E3E2E	9	D9DAD8D
27	08090A0	8	F5F5F5F	8	0DFEDEF	4	E0E0E1E	7	DDDCDCD	9	ECECECE
28	FEFCFBF	8	0809090	8	0E0D0D0	4	E8E7E7E	7	E1E2E2E	9	E8EAE9E
29	F8F8F9F	8	FCFDFFD	8	0806080	4	D7D7D8D	7	EAEAE9E	9	E9E9EAE
30	0403020	8	0504040	8	0103040	4	DADADAD	7	DDDCDCD	9	ECEAE8E
31	0202020	8	0605040	8	0E0F101	4	DEDFE1E	7	E0E0E1E	9	E9EAE8E
32	FDFFCF	8	FCFCFCF	8	080A0A0	4	E2E1E1E	7	DDDCDCD	9	DBD8D9D
33	FCFBFAF	8	0002040	7	03FF020	4	E2E2E3E	7	E8E5E4E	9	EFEFEDE
34	F3F8F7F	8	0203040	7	0101040	4	FDFFDFD	7	DADAD9D	9	EFEFEFE
35	FEFEFF0	8	0306080	7	08080C0	4	E2E3E2E	7	DFDFDD	9	F5F7F8F
36	FFFEFDF	8	F6F8FBF	7	3B3B3B3	4	EFEFECE	7	E9EAE9E	9	E5E3E3E
37	F8FAF9F	8	0709080	7	0305040	4	E3E2E1E	7	E3E2E1E	9	E8E9EAE

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Table V

6 Nibble (half byte) pattern Matrix												
Sno	Data One				Data Two							
	NC	ANC1	ANC2	NC	ANC1	ANC2	NC	ANC1	ANC2	NC	ANC1	ANC2
1	FFFFF	16	FFFFFF	15	010101	14	E0E0E0	22	DDDDDD	18	E2E2E2	23
2	FDFFD	15	202020	14	101010	14	0E0E0E	17	F0F0FD	15	2E2E2E	23
3	DFDFD	15	020202	14	000000	8	515151	13	E2E2E2	15	DECEBE	7
4	404040	15	000000	13	111111	8	DFDFDF	12	E1E0E0	15	EFEFEF	7
5	040404	15	505050	13	A0A0A0	7	F0F0FD	11	DFDFDF	15	EDECEB	7
6	0FFFEF	13	050505	13	040403	7	DEDEDE	11	2E2E2E	15	DFE0E2	6
7	000000	13	9F9F9F	12	0B0B0A	7	E7E7E7	11	E1E0FF	15	E1E0E0	6
8	00FFFE	13	F8F8F8	12	GAGA0A	7	1E1E1E	11	8E8E8E	14	CE8EAE	6
9	FEFDFC	12	F4F4F4	12	B0B0A0	7	7E7E7E	11	E8E8E8	14	BD80BD	8
10	FCFCFC	12	AF4F4F	12	FFFFF	7	D0D0D7	10	DEDEDE	14	FE0E2E	8
11	EFD0CF	12	0F0F0F	12	818181	6	9C9C7D	10	CC0C0C	14	5E5E5E	6
12	CF0CF0	12	FDF0CF	11	0E0E0E	6	9E9E9E	9	DD0C0C	14	E5E5E5	6
13	FF0FFF	11	404040	11	030303	6	8E8E8E	9	4E5E5E	14	DB80DB	6
14	F8F8F9	11	111111	11	141414	6	EDD0D0	9	E2E1E0	14	DD0D0D	8
15	F8F8FA	11	DF0CF0	11	030201	6	CD0C0D	9	E4E5E5	14	EC8E8E	6
16	8F8FAF	11	040404	11	B0C0C0	6	E9E9E9	9	E0E0E0	14	DEDEDE	5
17	FEFEFE	11	303030	10	181818	6	E5E5E1	9	DFE0E1	13	CD0C0D	5
18	EFEFEF	11	0F0F0E	10	0F1010	5	7D7D7D	9	ED0FDF	13	EEFEFE	5
19	FAFAFA	11	F8F7F6	10	0B0C0C	6	3E2E2E	9	EEEEEE	13	E8E8E9	5
20	FAFBFC	11	040403	10	404030	6	E0E2E1	9	DFDFDE	12	8E8E9E	5
21	EFEFF0	11	8F7F6F	10	090A0B	6	E3E2E2	9	0E1E2E	12	DEDECE	5
22	FAFAFA	11	030303	10	414141	5	E8E8E5	9	DD0C0D	12	DC0C0C	5
23	8F9F9F	11	505030	10	FDFDFC	5	7D7D77	9	E0E1E1	12	CECECE	5
24	808080	10	050506	10	303030	5	DEDDDD	9	E6E1E2	12	8E8E9E	5
25	FEFEFF	10	101010	10	191A1B	5	E0E0ED	9	DD0C0B	12	FEFEFE	5
26	040403	10	FCFCFC	10	040504	5	DFDFE0	8	E5E5E3	11	8E4E3E	5
27	010202	10	FFFF00	10	100E00	5	4D4D4D	8	3E4E3E	11	E3E1E0	5
28	080808	10	705050	10	08E0D0	5	E8E9E8	8	E0DFE0	11	E8E4E3	5
29	FD0FC0	10	070505	10	403030	5	5E6E6E	8	DEDFDF	11	E8E8E8	5
30	090506	10	CFCFCF	10	818191	5	CADA0B	8	E3E2E1	11	EDEDEC	5
31	080606	10	380706	9	C0B0B0	5	E6E6E6	8	E3E1E0	11	E0E0E0	5
32	102020	10	304040	9	040303	5	AE9E9E	8	DEDEDF	11	EDEDED	5
33	040302	10	F0F0E0	9	104040	5	DD0D0D	8	E4E4E3	11	EFEEED	4
34	404030	10	F8F8F8	9	303010	5	E8E8E8	8	E3E4E5	11	8E7E5E	4
35	608050	10	040608	9	706050	5	8D8D8D	8	F0F0ED	11	2F2F2F	4
36	808080	10	040406	9	A0B0C0	5	E0E0E1	8	5E5E3E	11	DB80DB	4
37	DF0CF0	10	8F8F5F	9	181818	5	D4D4D4	8	DEDDDD	11	CECEBE	4

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Table VI

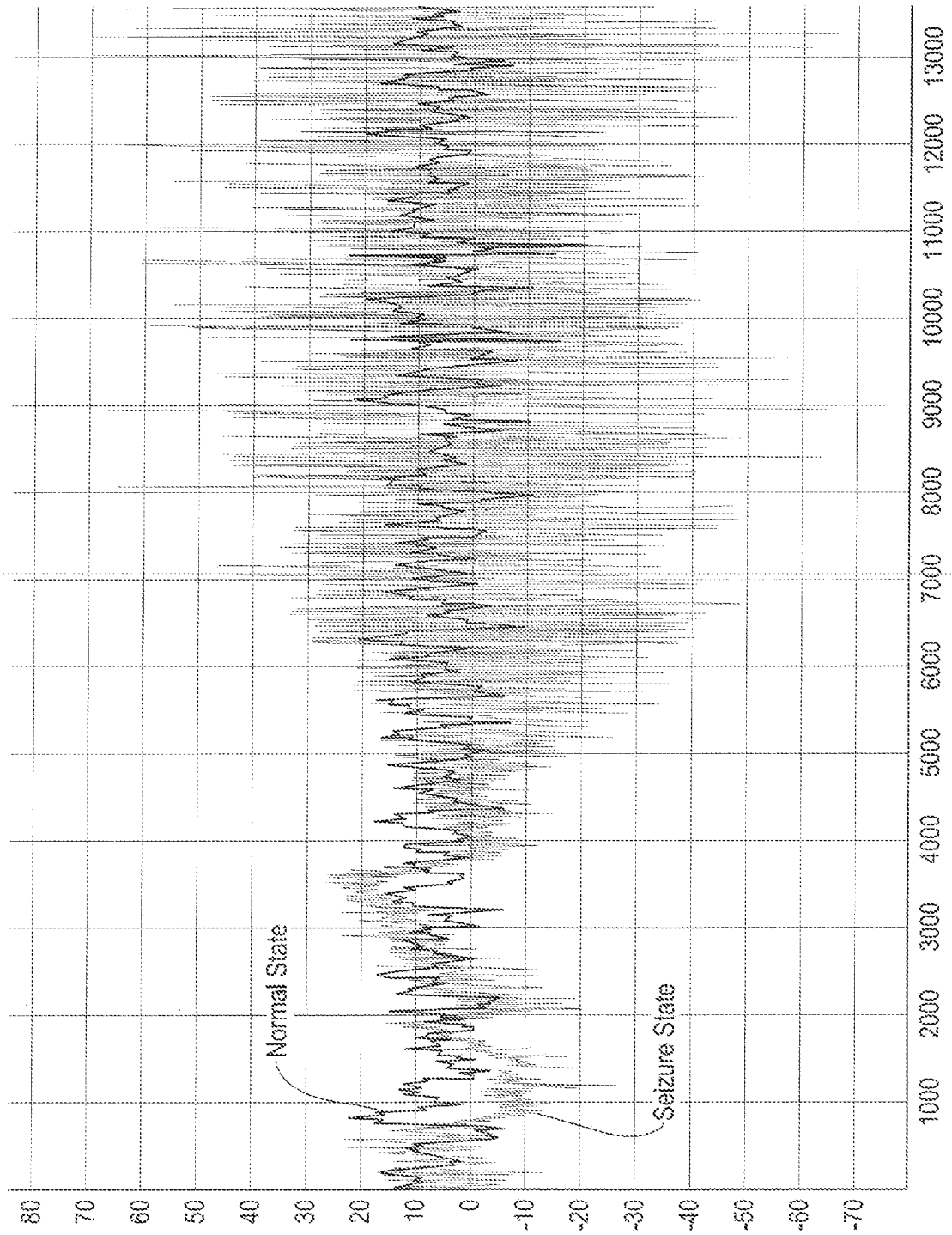
Patient	Scur/s	Pdur/hrs	NGRAM = 12			NGRAM = 14		
			S	P	Ratio	S	P	Ratio
1	19.49	6.10	514	778.9	0.66	269	393.3	0.684
2	147.35	0.89	6000	28727.5	0.209	2805	21811.3	0.129
3	108.63	1.67	11029	25517.8	0.432	8150	23742.1	0.343
4	77.30	1.03	743	324.6	2.289	577	83.2	6.935
5	14.98	0.99	1455	3246.8	0.448	1138	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	14260	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

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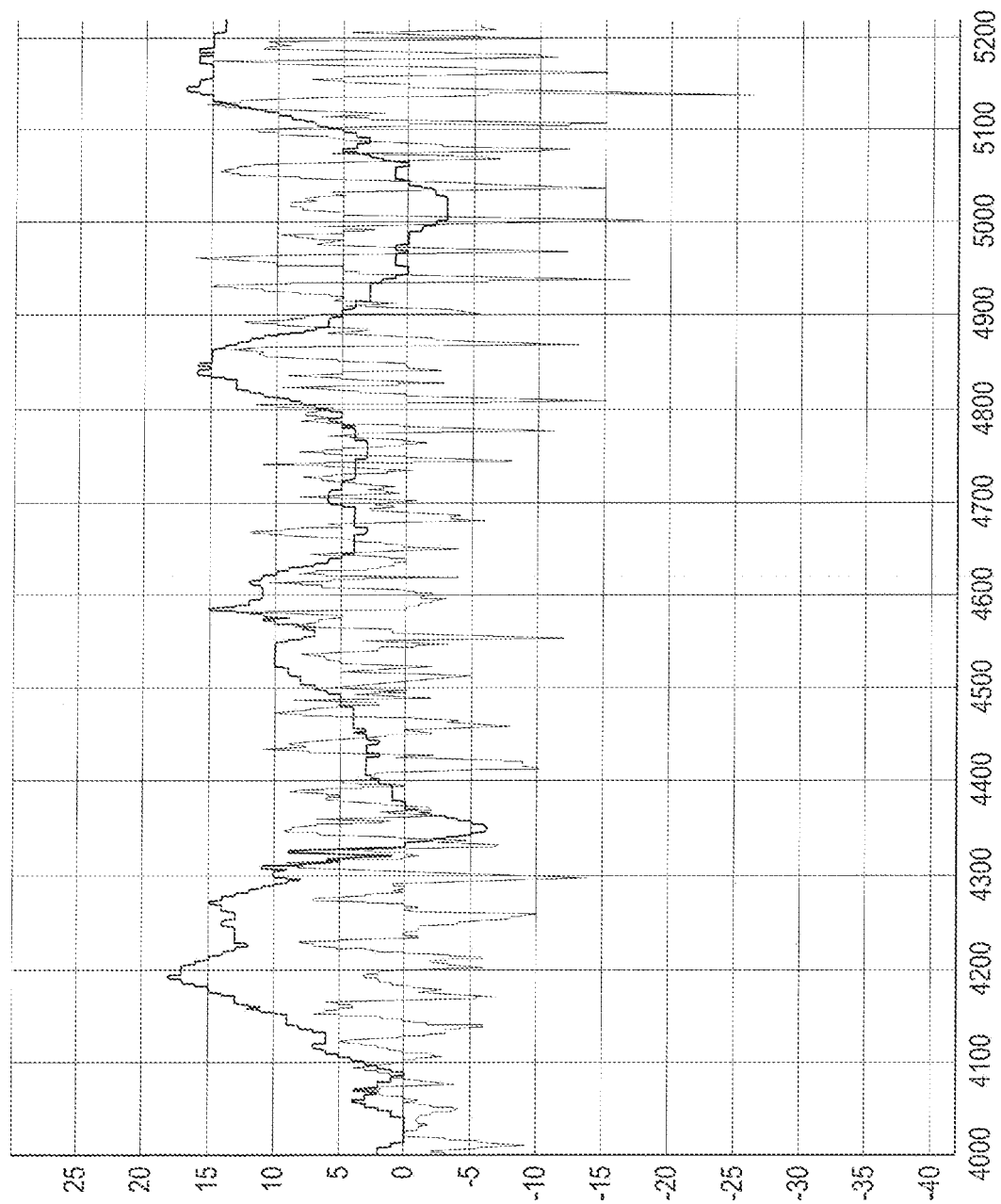
Table VII

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

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FIG. 11

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FIG. 12

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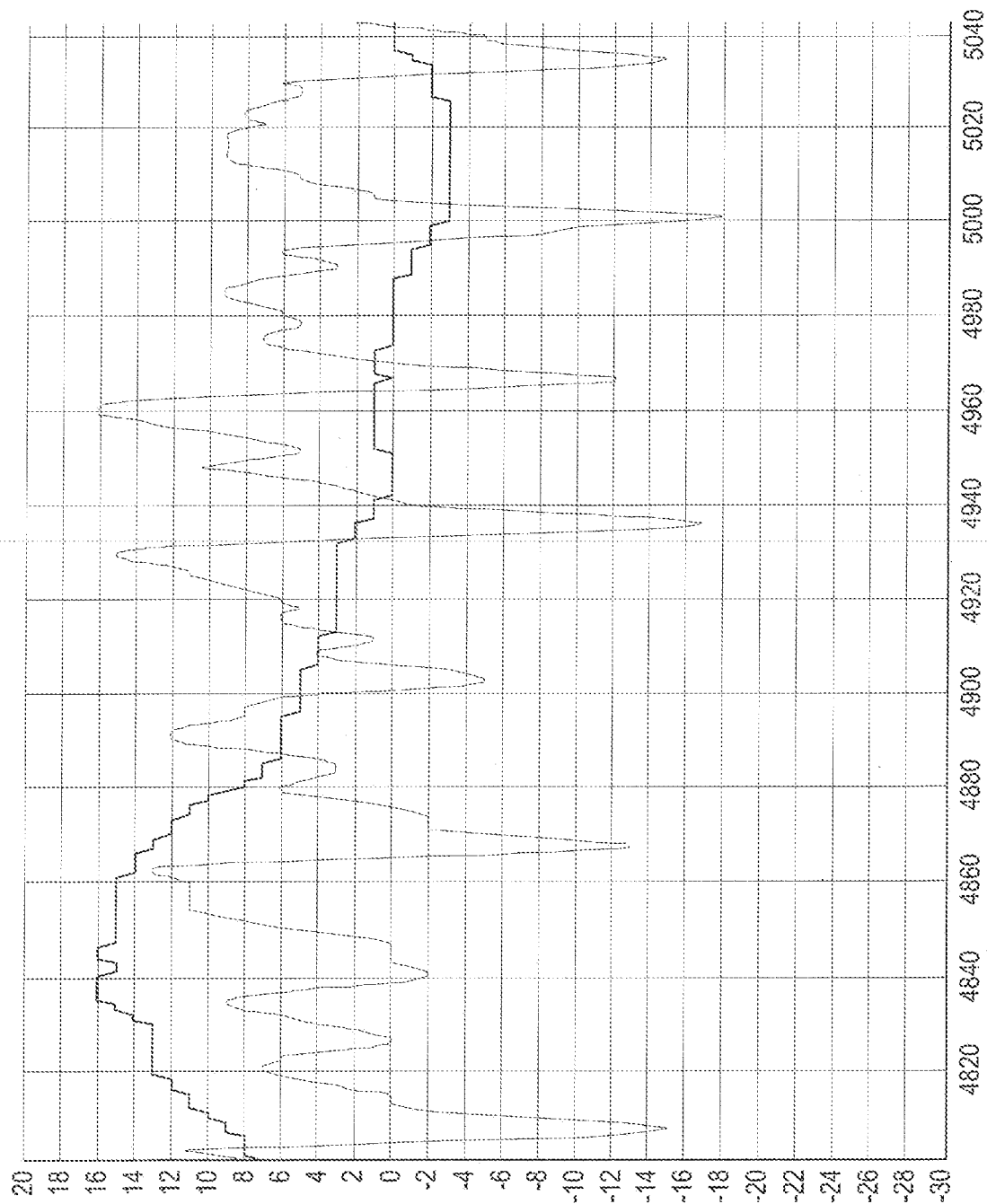


FIG. 13

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[illegible]

FIG. 14

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Case Parameters									
Case ID:	0007	Data Source:		Clinical					
Species:	Human	Gender:		Female					
DOB:	12/01/1983	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									
					Processed Data				
-3.5100000e+002	-2.3800000e+002	-1.0500000e+002	-3.2000000e+001	-1.2000000e+001	FFFF	FFFF	0000	0000	0000
1.5000000e+001	7.1000000e+001	1.6100000e+002	3.2200000e+002	3.1400000e+002	0000	0000	0001	0001	0002
6.5300000e+002	7.1800000e+002	7.1000000e+002	6.6400000e+002	5.9700000e+002	0003	0003	0003	0003	0002
6.1600000e+002	4.7000000e+002	4.4700000e+002	4.4700000e+002	4.4700000e+002	0002	0002	0002	0002	0002
6.0900000e+002	6.1500000e+002	5.8800000e+002	7.4200000e+002	7.2200000e+002	0002	0002	0003	0003	0003
6.2600000e+002	6.0700000e+002	6.3300000e+002	6.8300000e+002	7.6900000e+002	0002	0002	0002	0003	0003
7.9700000e+002	6.5600000e+002	9.2100000e+002	1.0830000e+003	1.3030000e+003	0003	0003	0004	0004	0005
1.5540000e+003	1.8000000e+003	1.9300000e+003	1.9730000e+003	1.9540000e+003	0006	0007	0008	0008	0008
1.9360000e+003	1.8650000e+003	1.8510000e+003	1.7920000e+003	1.5760000e+003	0008	0007	0007	0007	0006
-2.4870000e+003	-2.1130000e+003	-1.7090000e+003	-1.4010000e+003	-1.2160000e+003	FFF6	FFF8	FFF9	FFF8	FFFB
-1.0690000e+003	-9.6900000e+002	-9.0600000e+002	-8.2800000e+002	-7.6800000e+002	FFFC	FFFC	FFFC	FFFD	FFFD
-5.7800000e+002	-4.1300000e+002	-2.9600000e+002	-1.8500000e+002	-1.2500000e+002	FFFE	FFFE	FFFE	FFFF	0000
-7.8000000e+001	-6.7000000e+001	-5.8000000e+001	-2.8000000e+001	3.1000000e+001	0000	0000	0000	0000	0000
1.4200000e+002	1.8700000e+002	2.3300000e+002	2.3300000e+002	2.3300000e+002	0001	0001	0001	0001	0001
2.4500000e+002	2.2700000e+002	1.2600000e+002	-1.6000000e+001	-1.6800000e+002	0001	0001	0000	0000	0000
-1.4100000e+002	-1.8700000e+002	-1.8700000e+002	-1.7500000e+002	-1.2100000e+002	FFFF	FFFF	FFFF	FFFF	0000
3.0000000e+000	1.4500000e+002	3.3600000e+002	5.1300000e+002	6.8600000e+002	0000	0001	0001	0002	0003
8.6100000e+002	1.0200000e+003	1.1080000e+003	1.0360000e+003	9.6300000e+002	0003	0004	0004	0004	0004

FIG. 15

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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 File	Size Pattern	Anomalies %
0001	0013	sample_data.txt	Seizure	40,732	4,156	96.576
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:	255	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 0006 0006 0006	3
0040	0001 0000 0000 0000 0000 0000 0000 0000 0000	3
0041	000E 000E 000E 000E 000E 000F 000F 000F 000F	3

FIG. 16

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

FIG. 17

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FIG 18

