

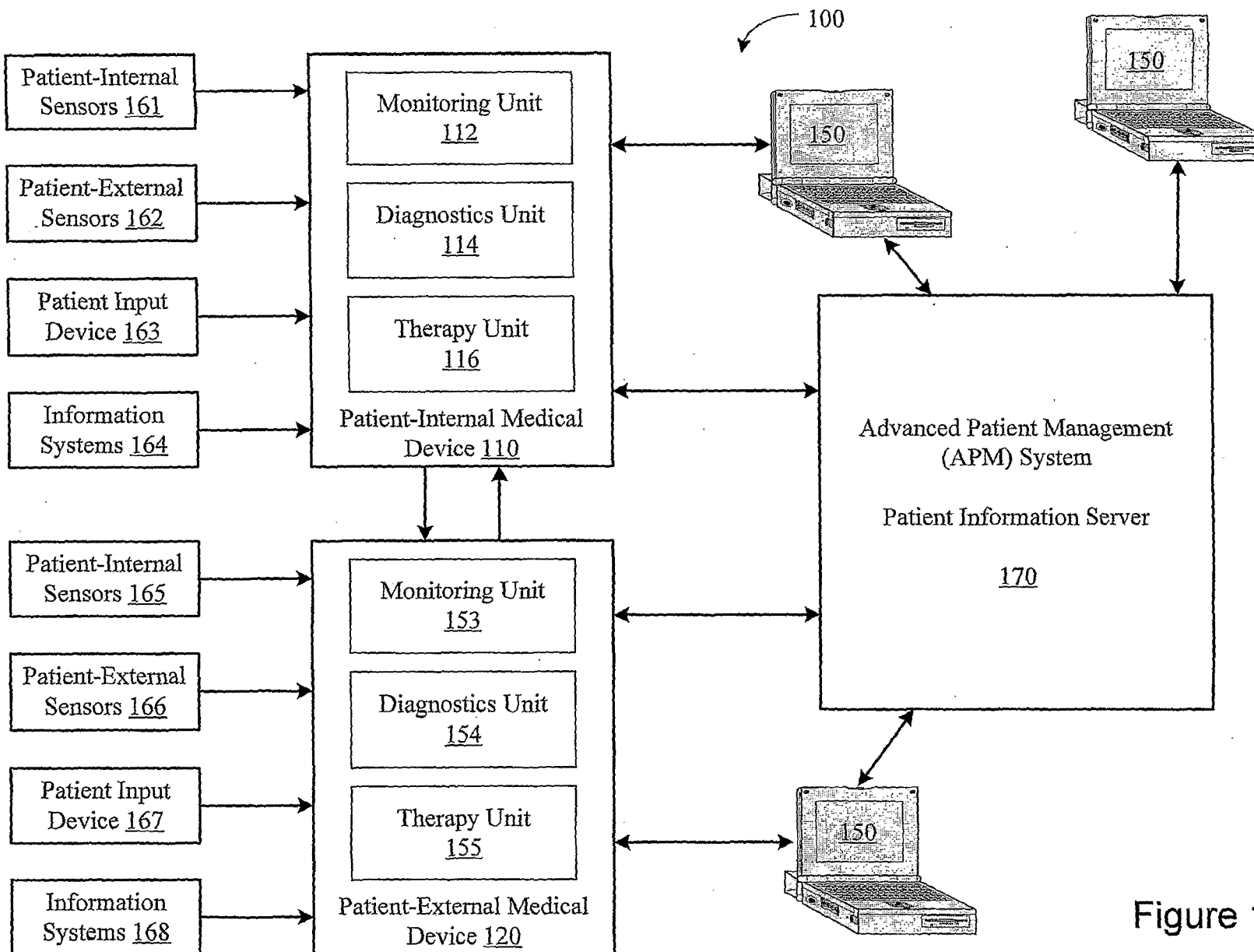


Figure 1A

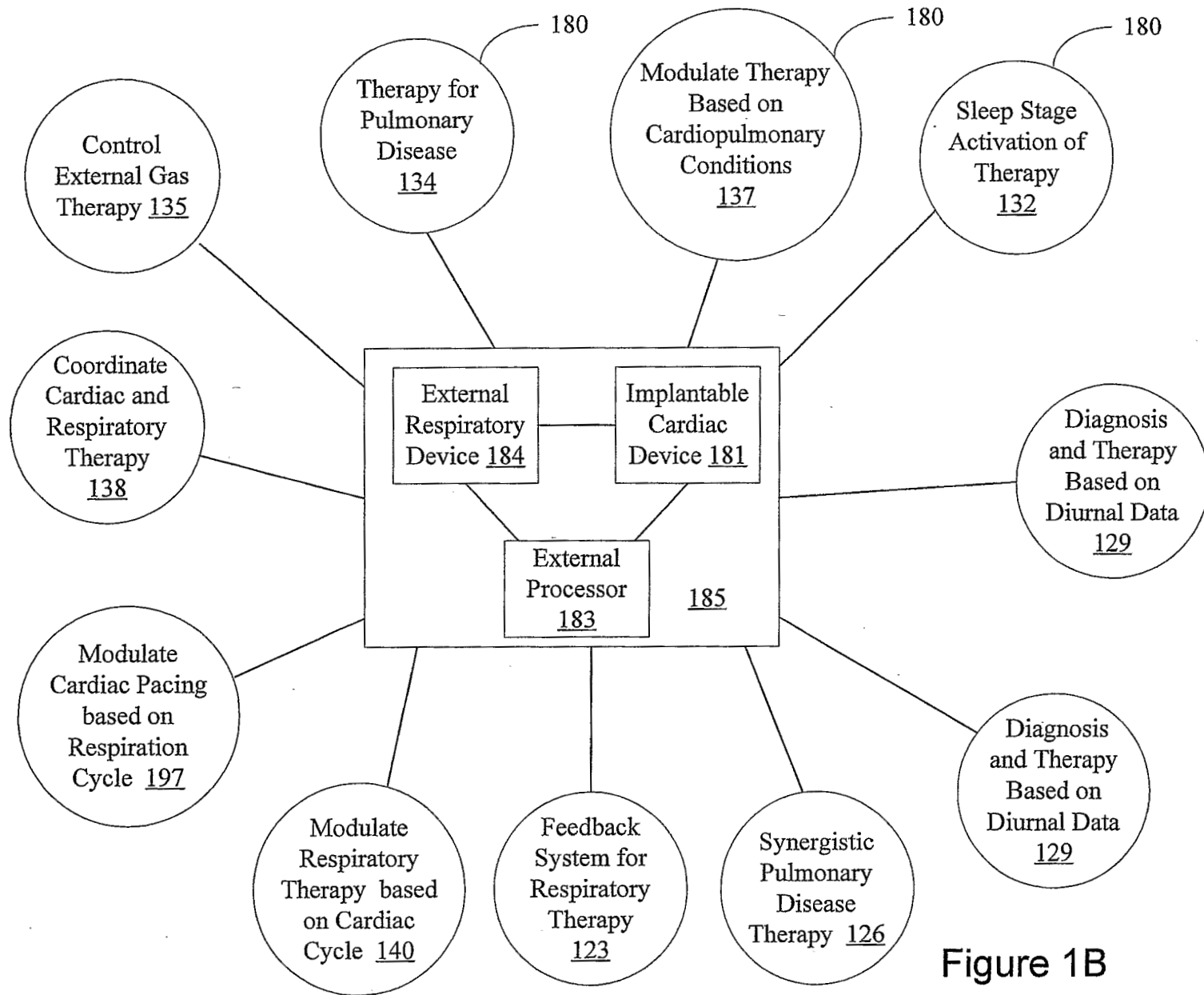
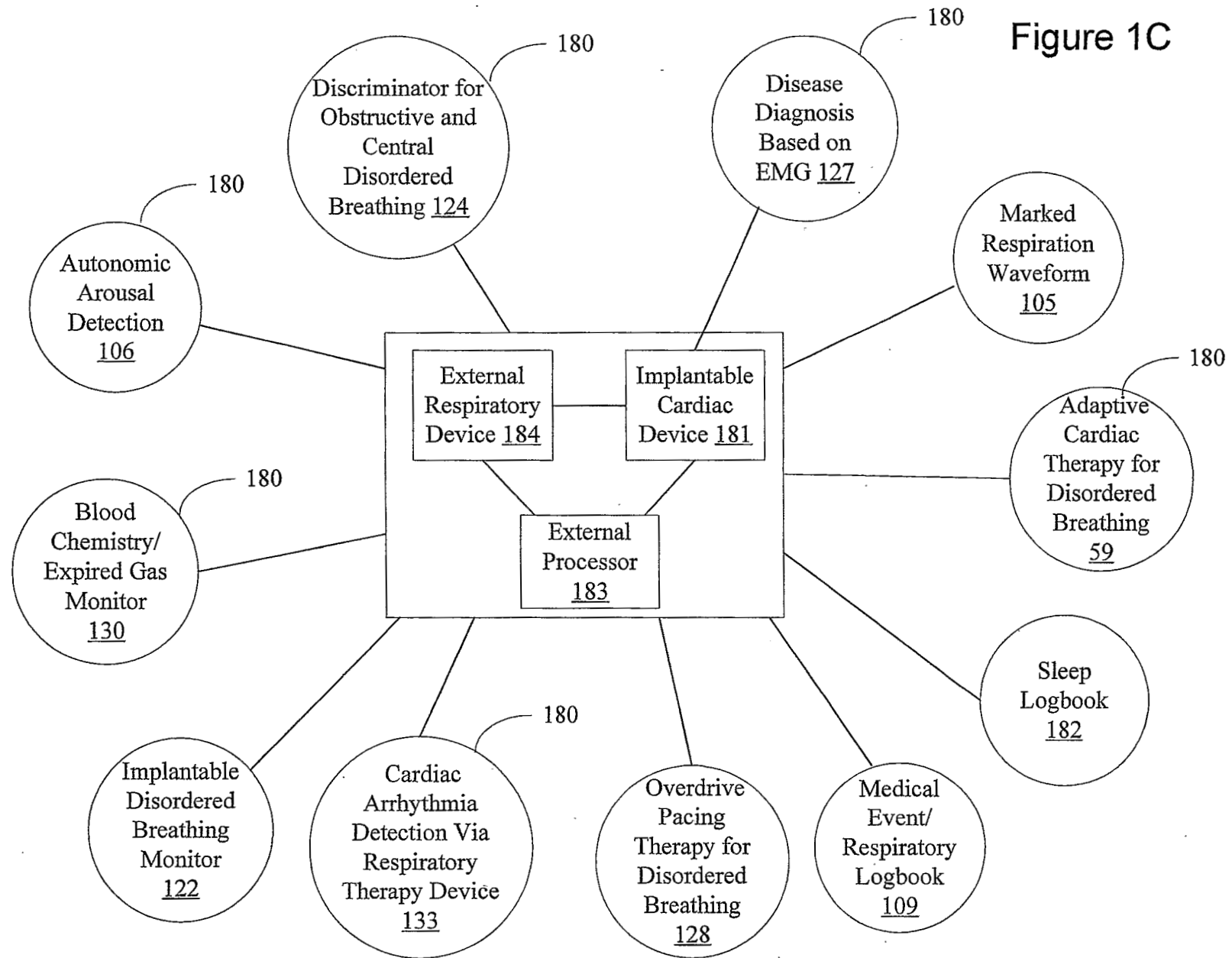
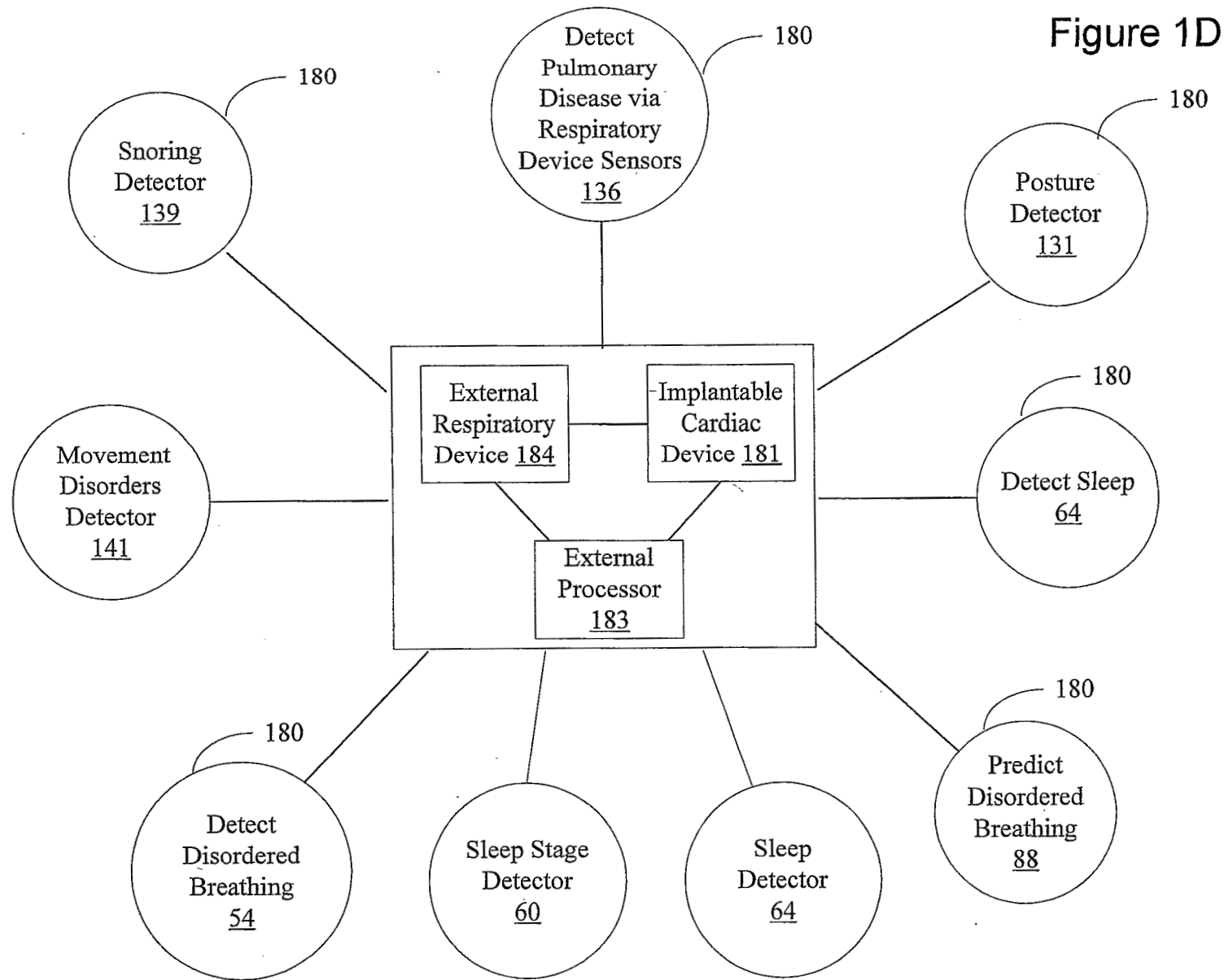


Figure 1B





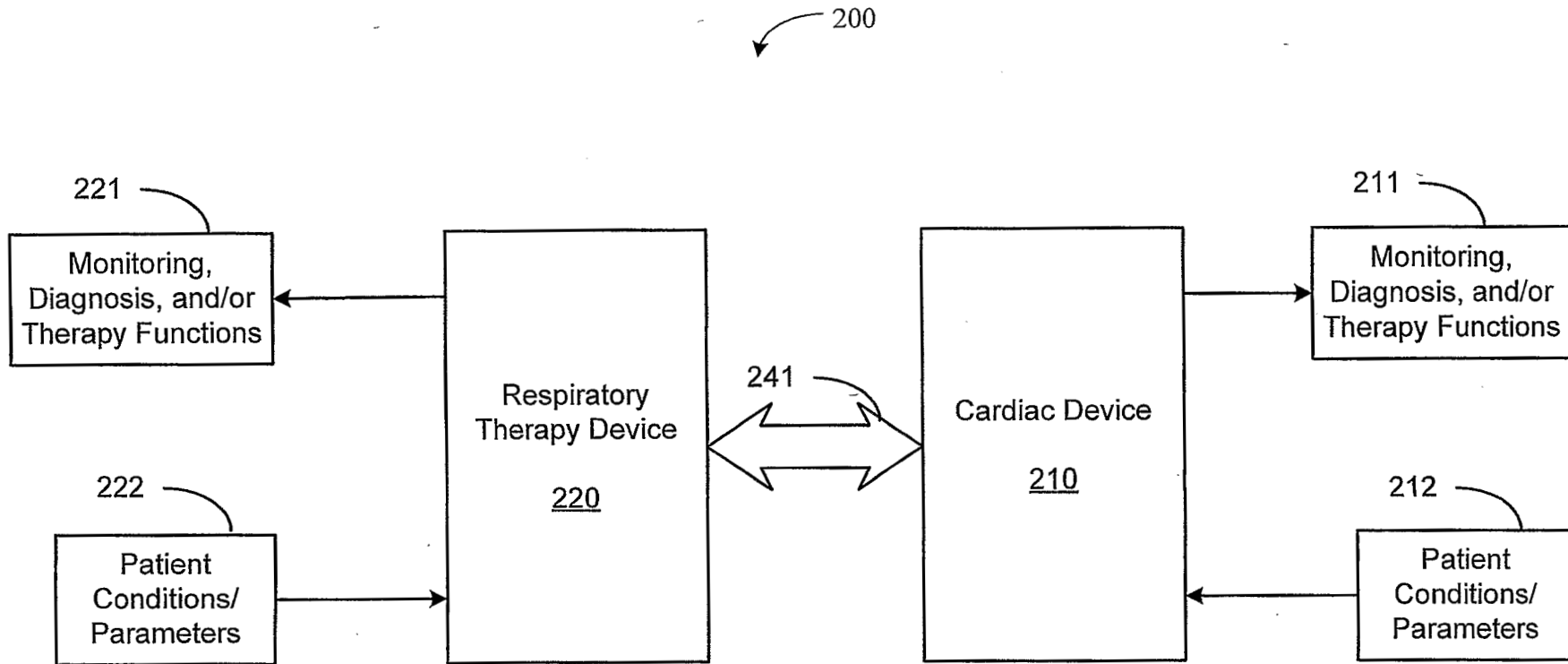


Figure 2A

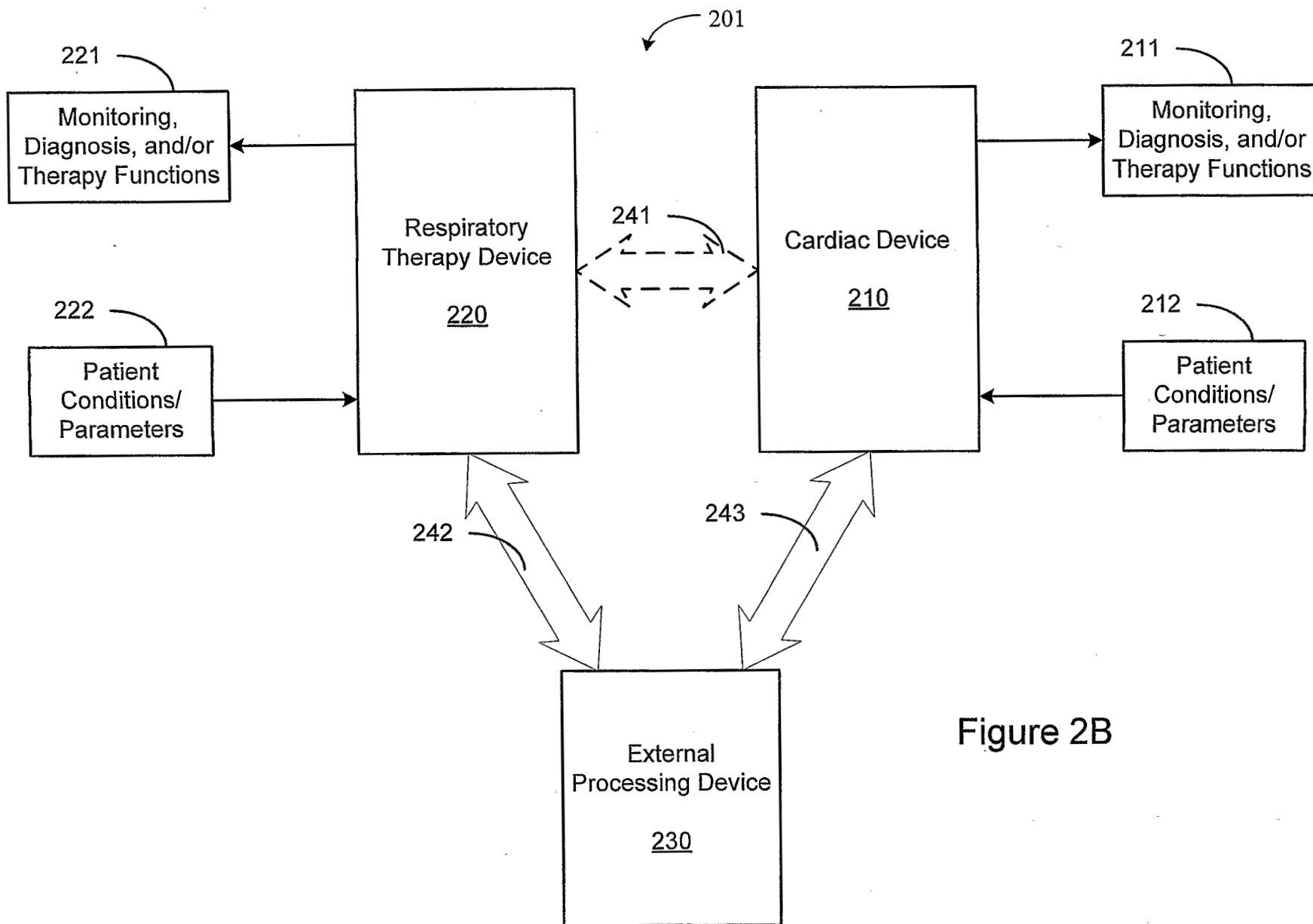


Figure 2B

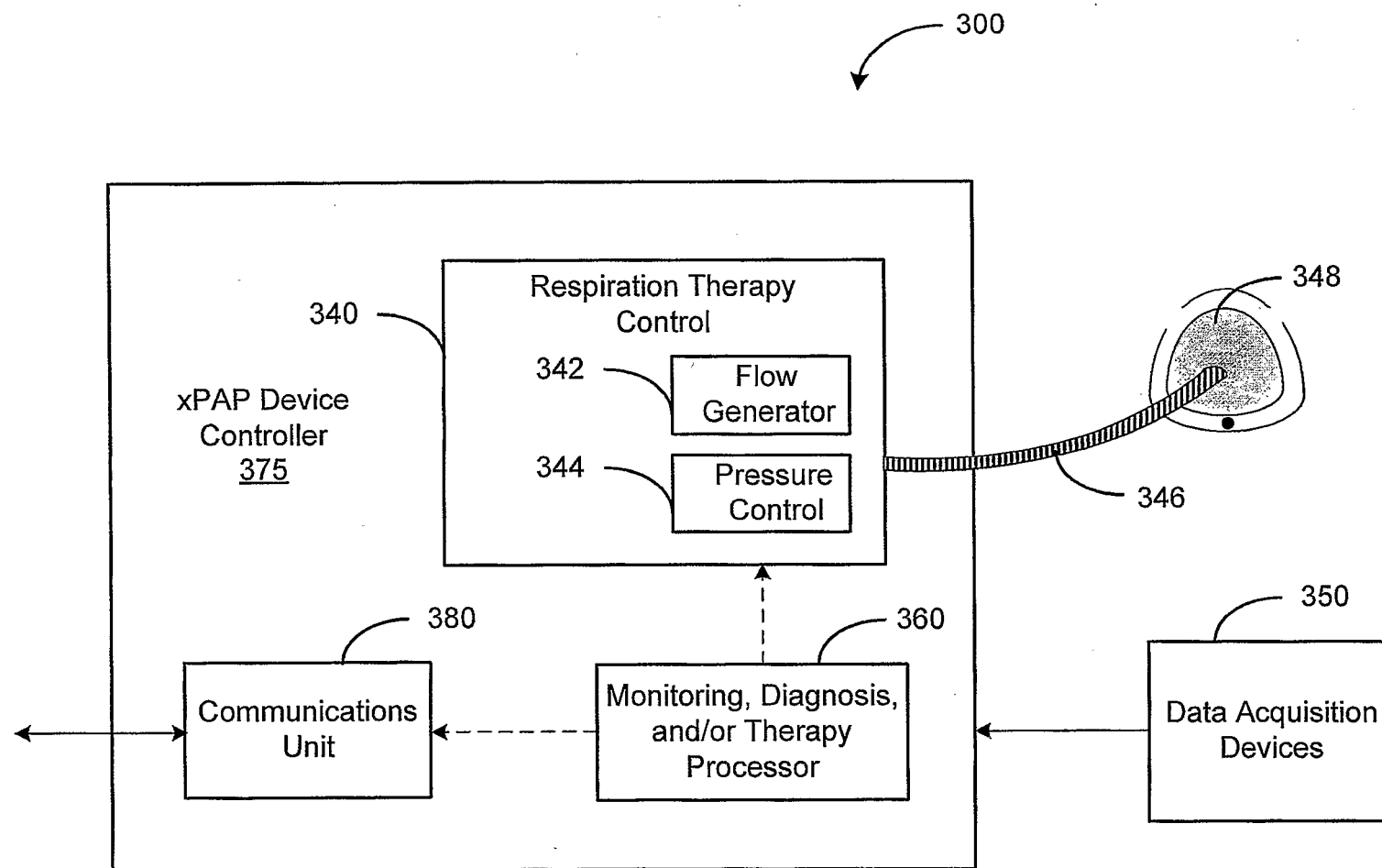


Figure 3

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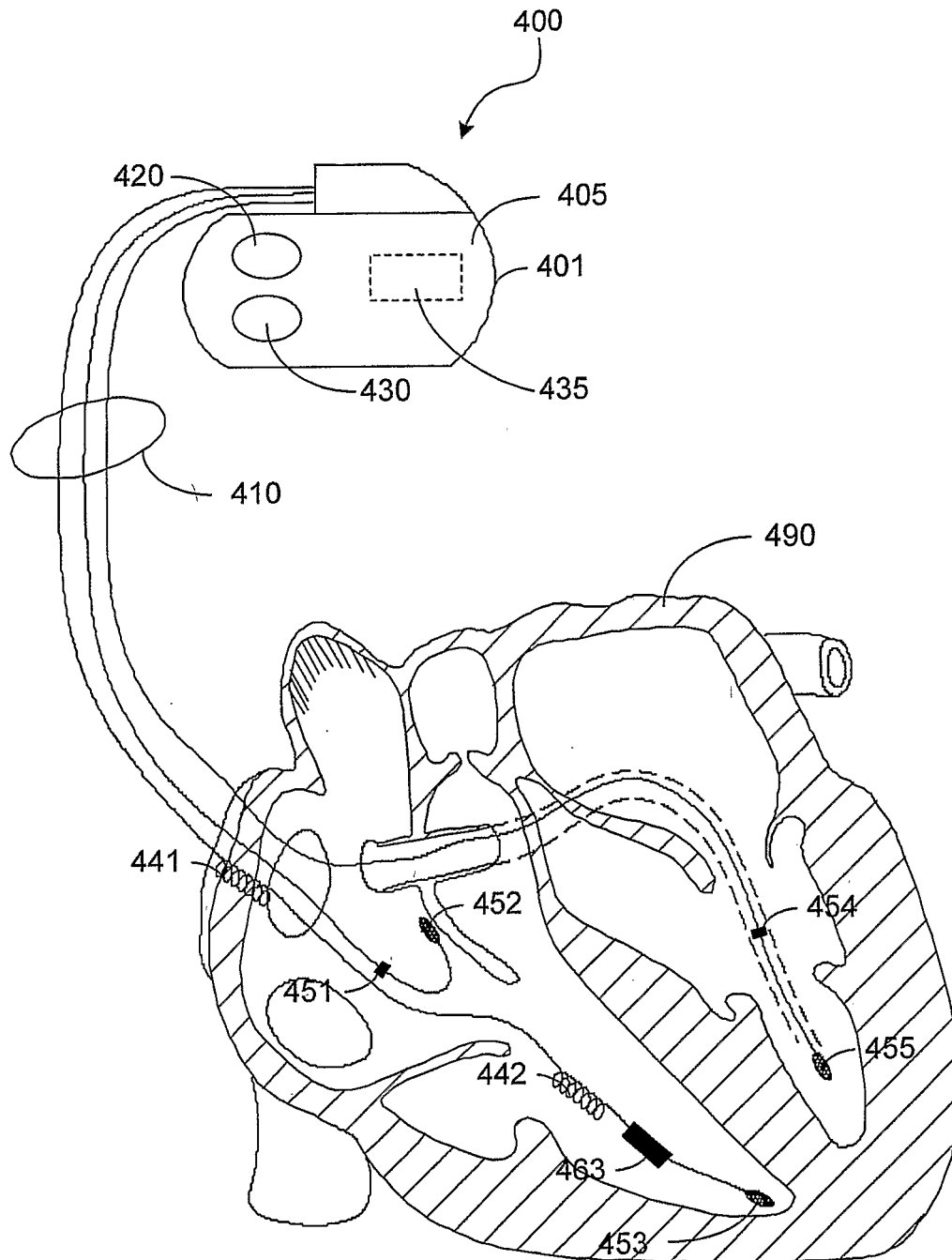


Figure 4A

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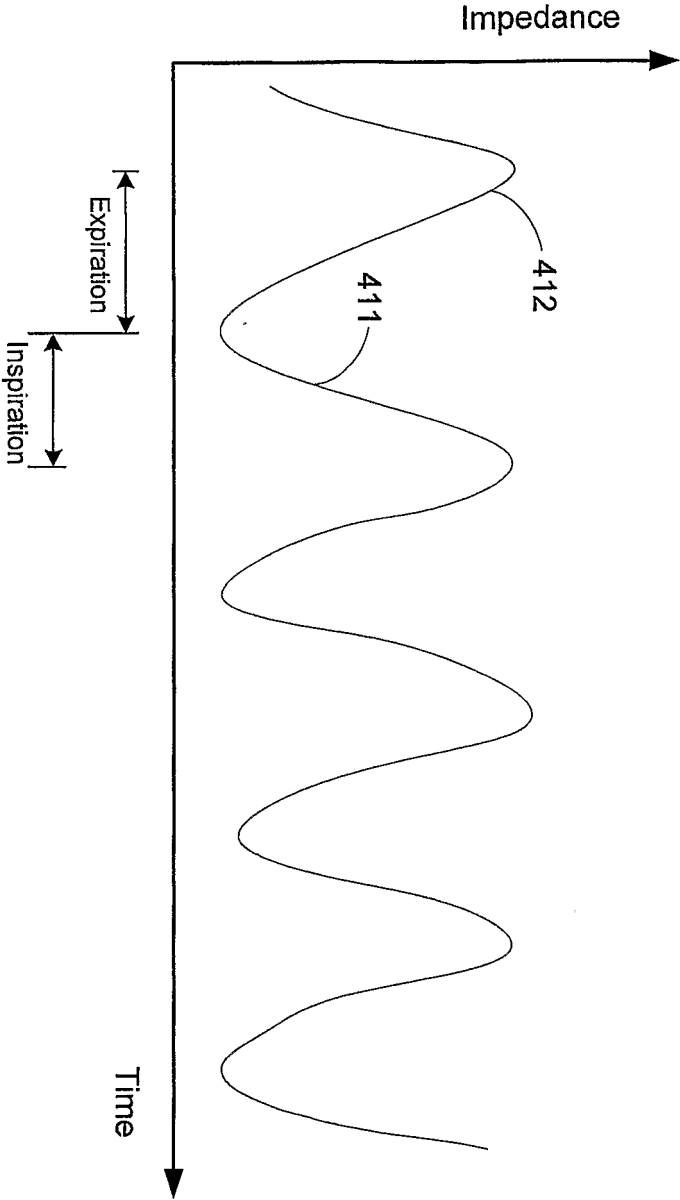


Figure 4B

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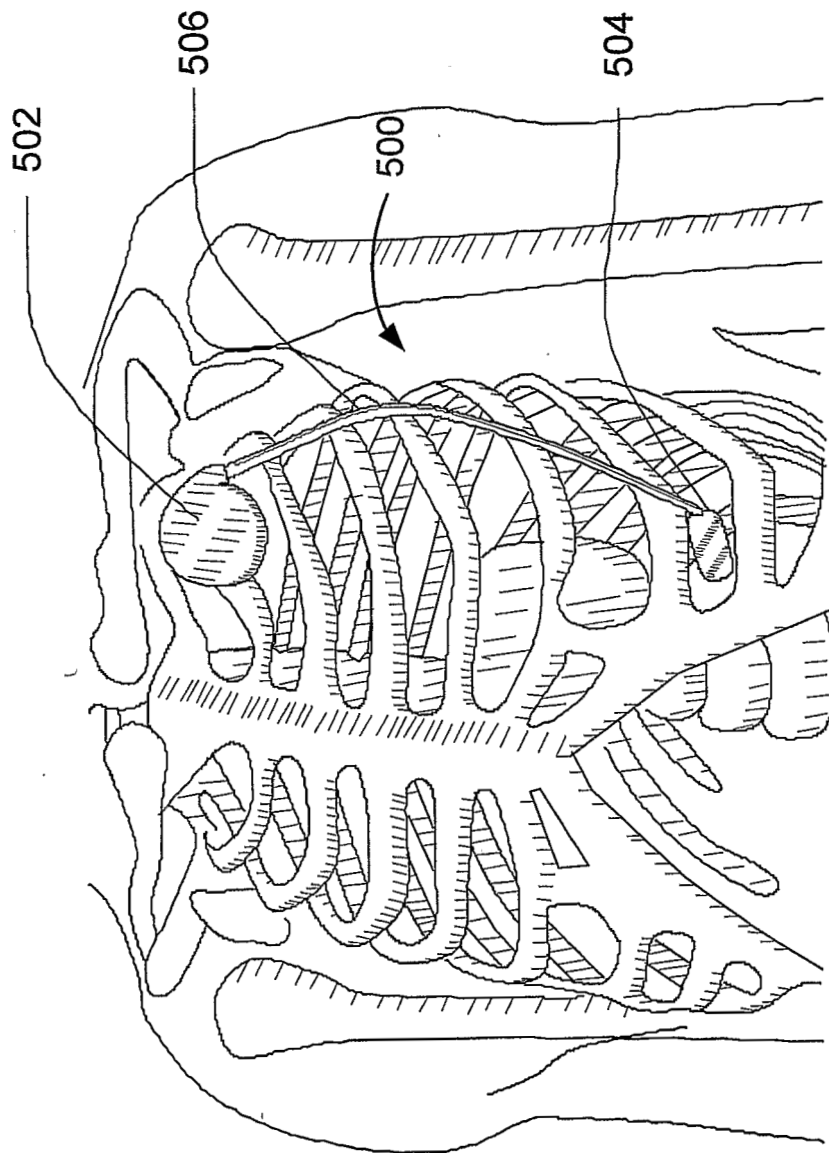
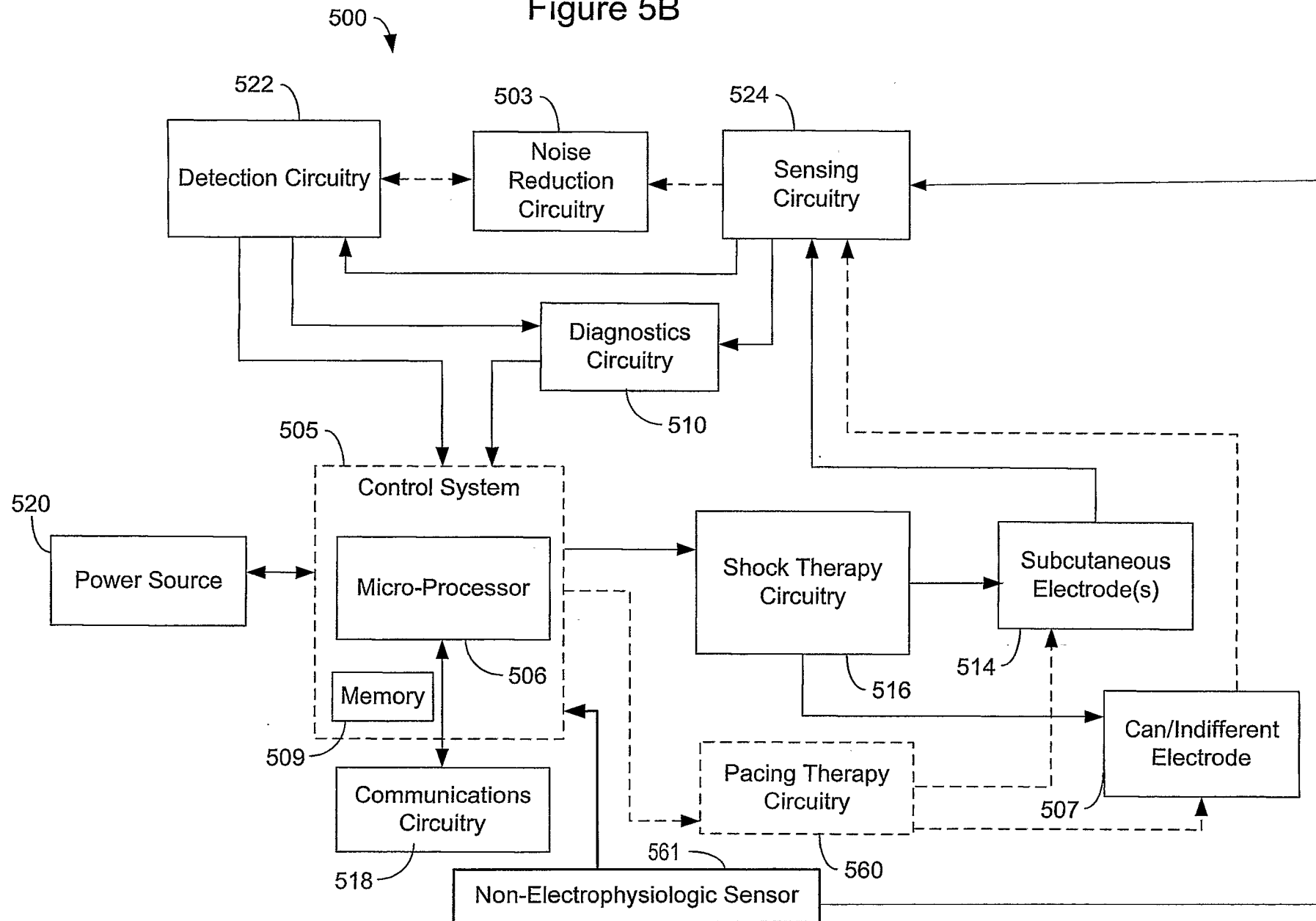


Figure 5A

Figure 5B



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Figure 5C

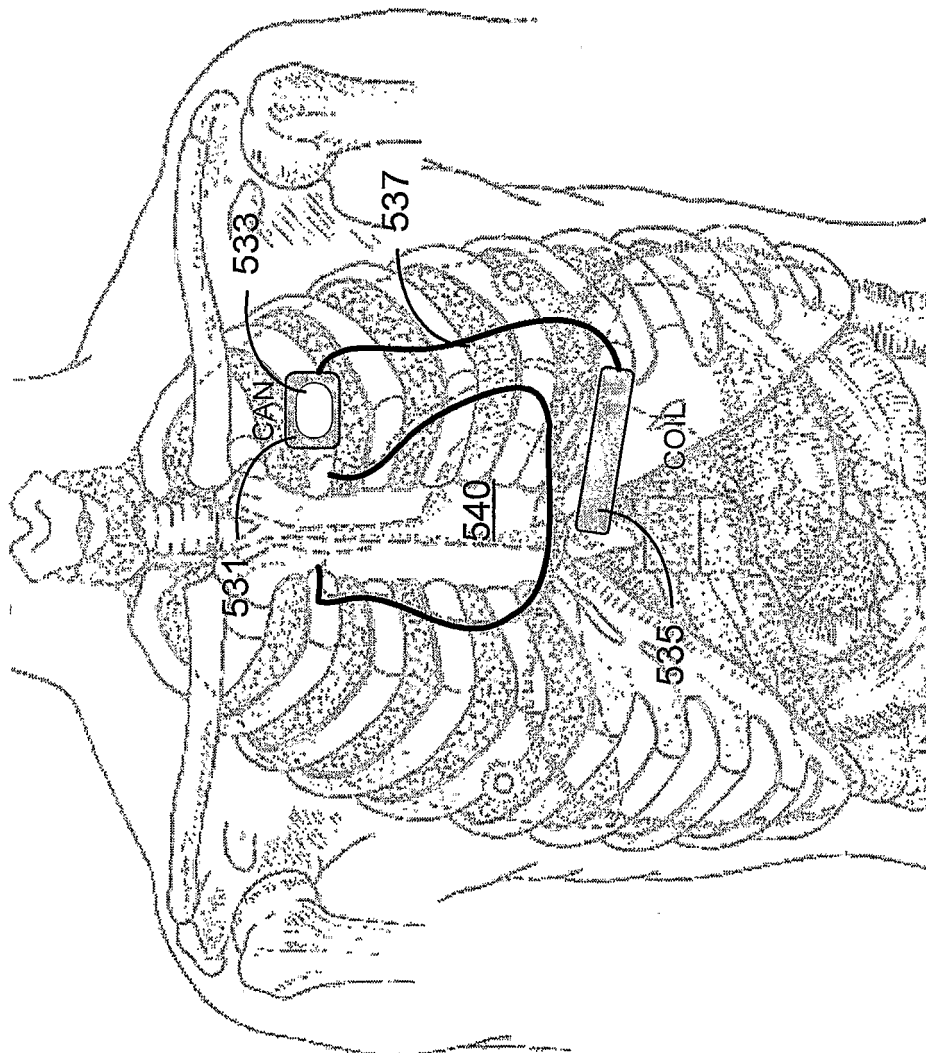
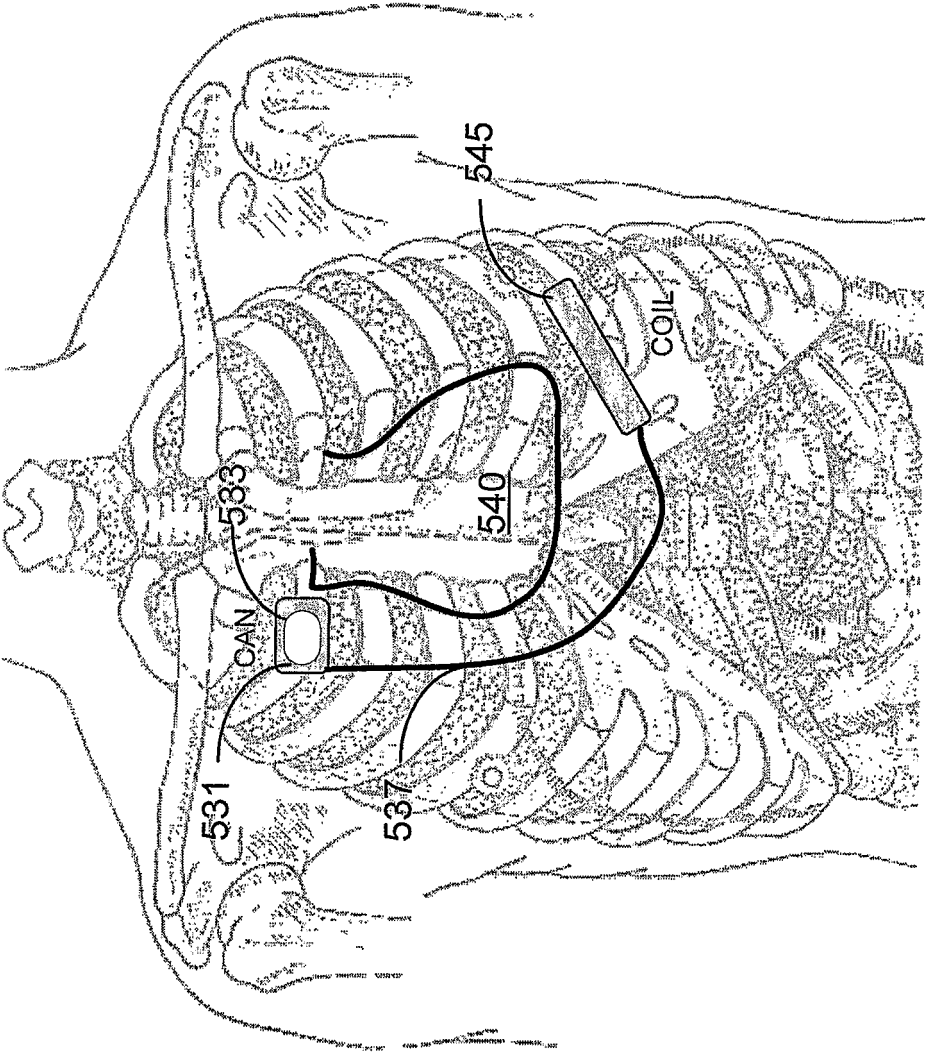
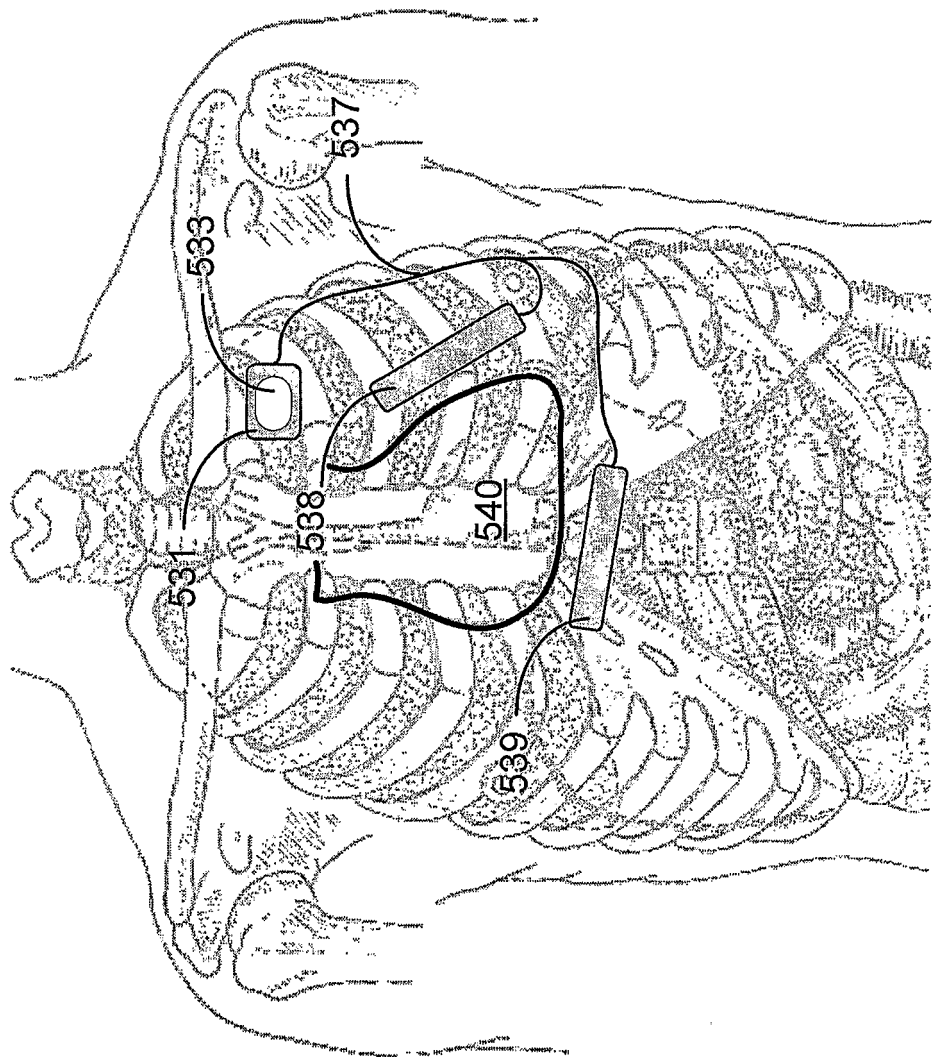


Figure 5D



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Figure 5E



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Figure 5F

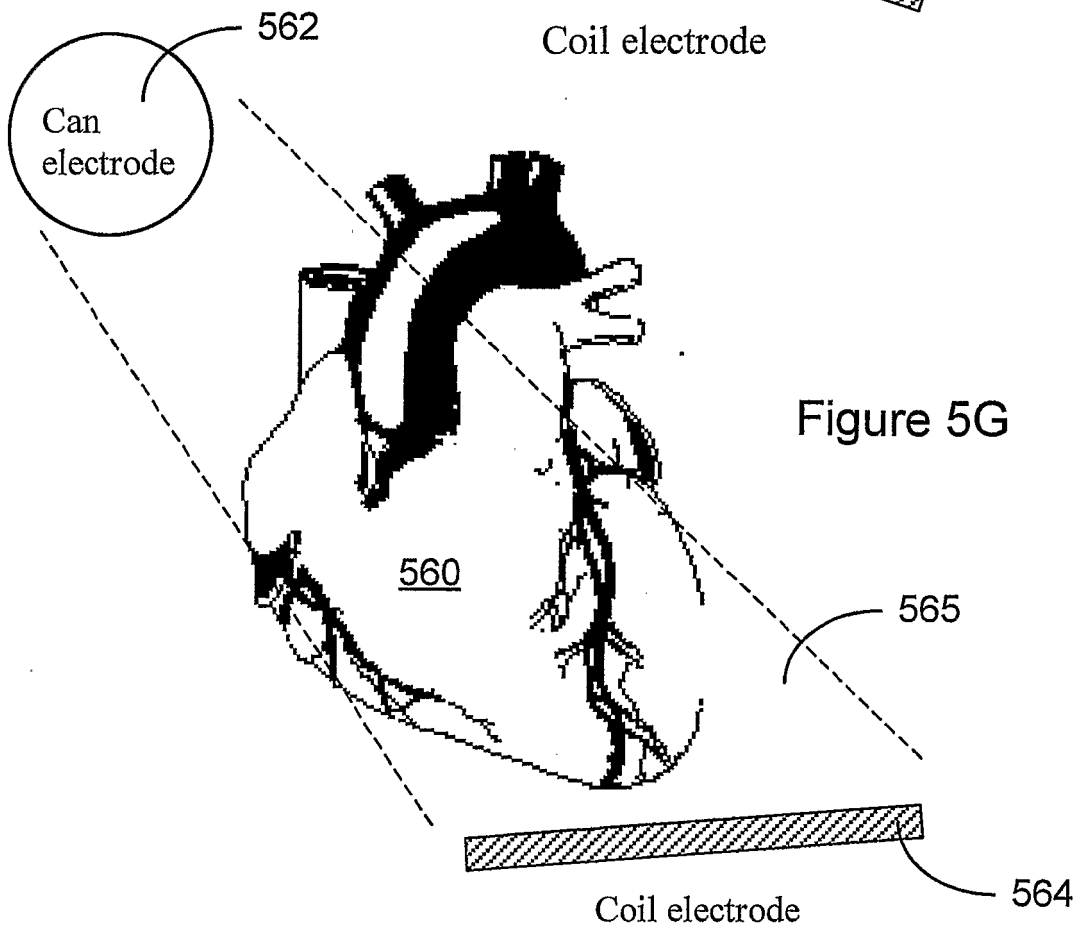
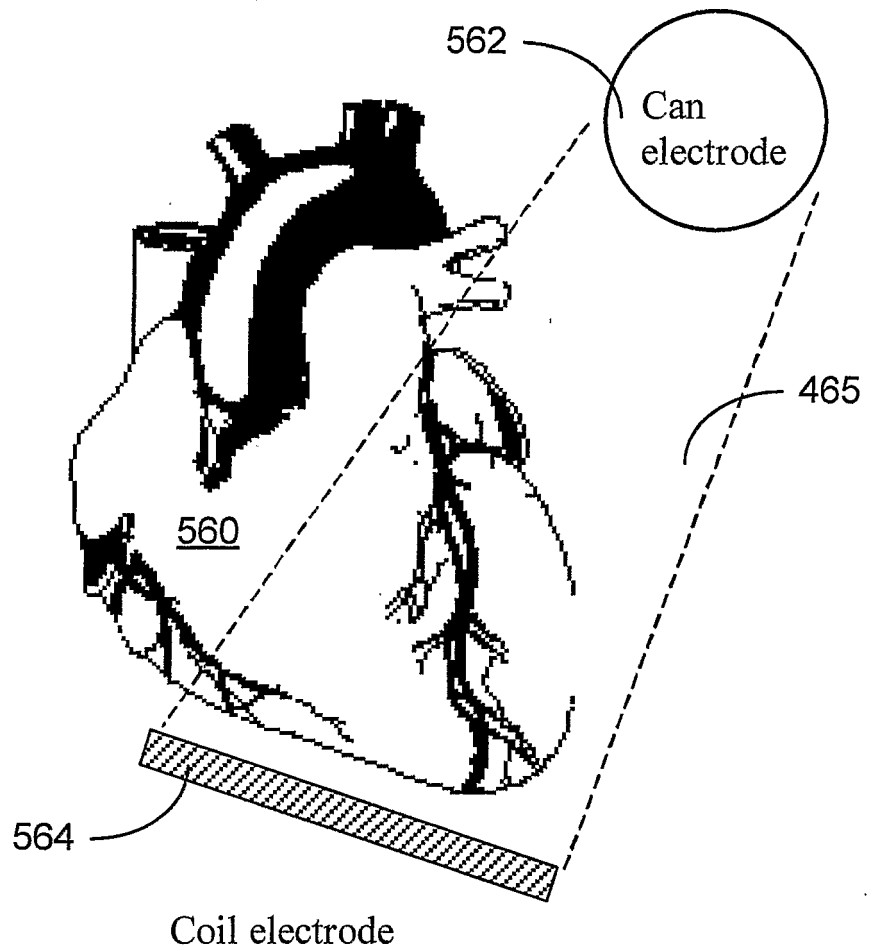
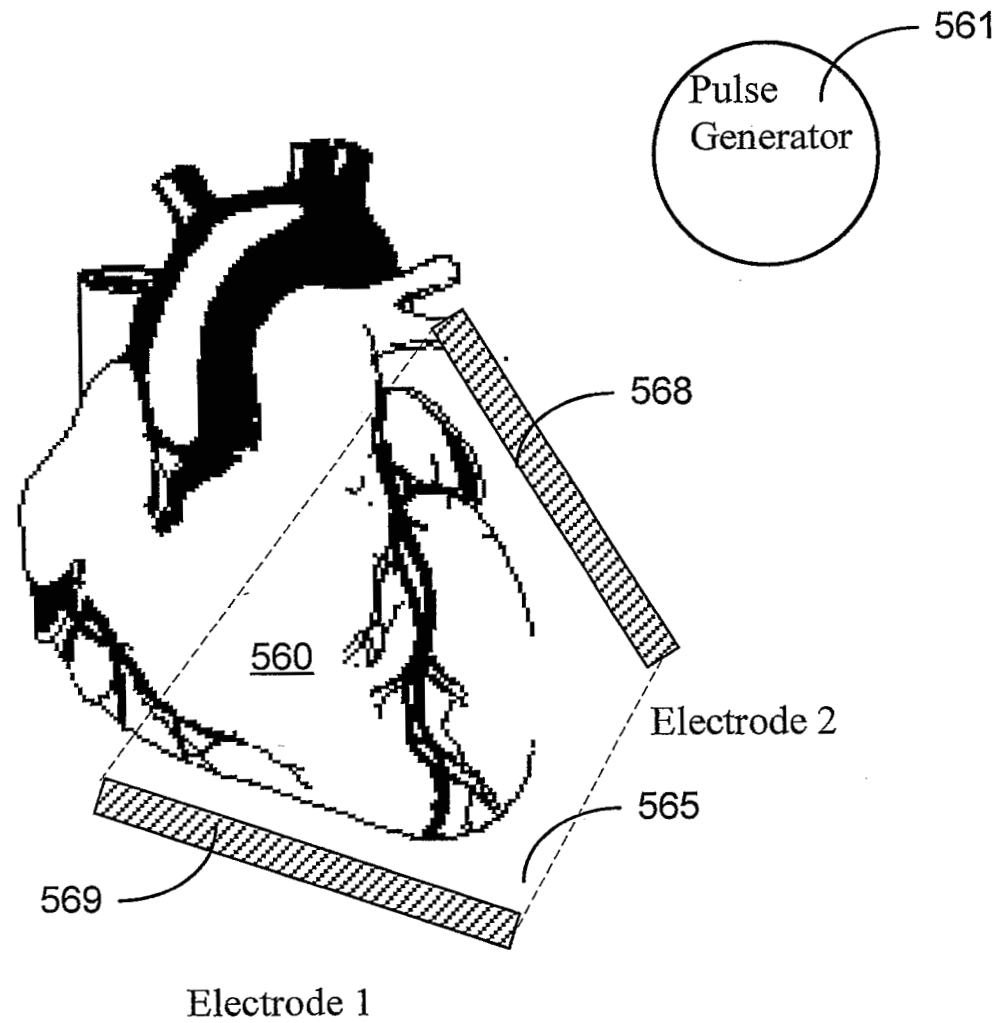


Figure 5H



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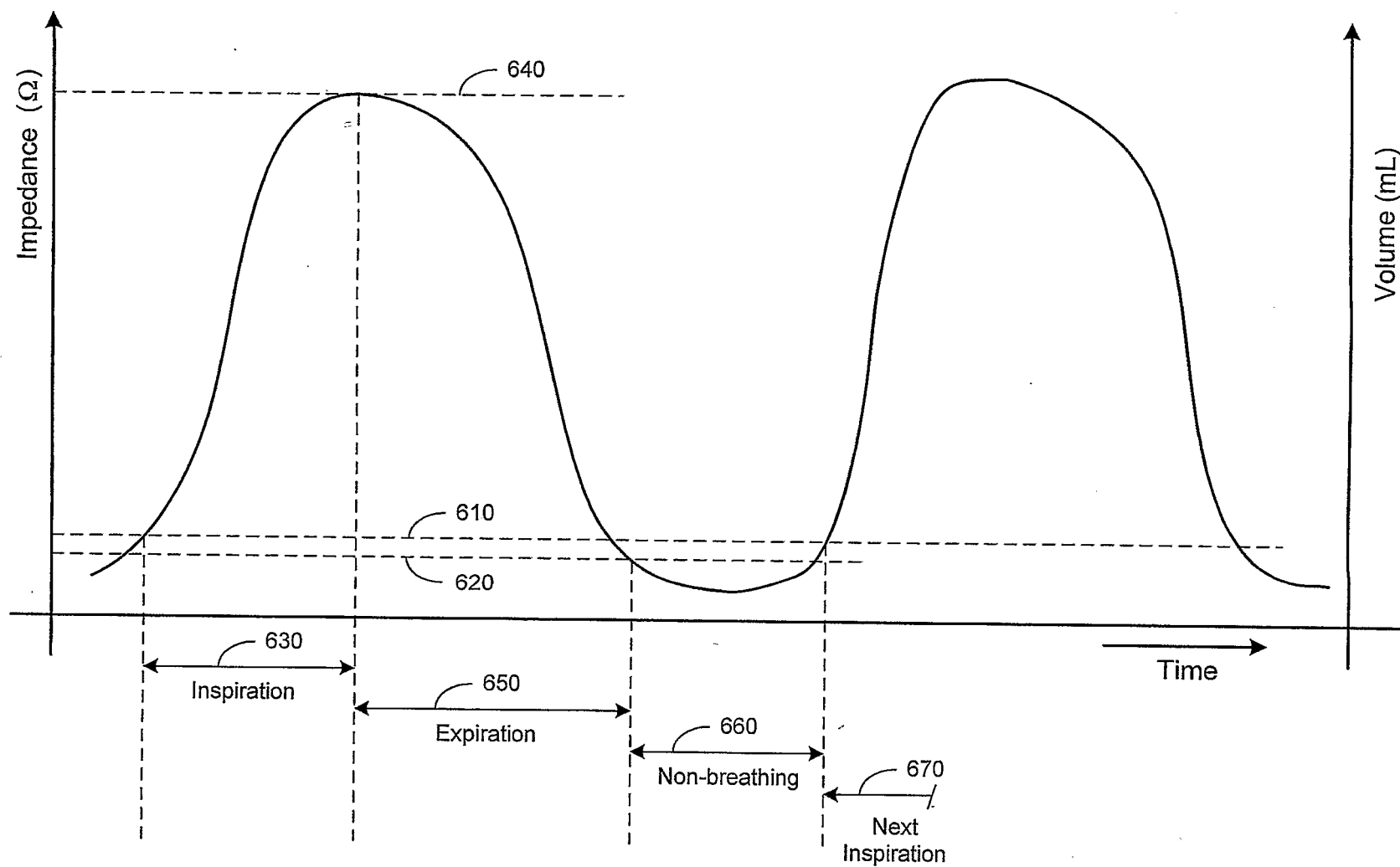


Figure 6

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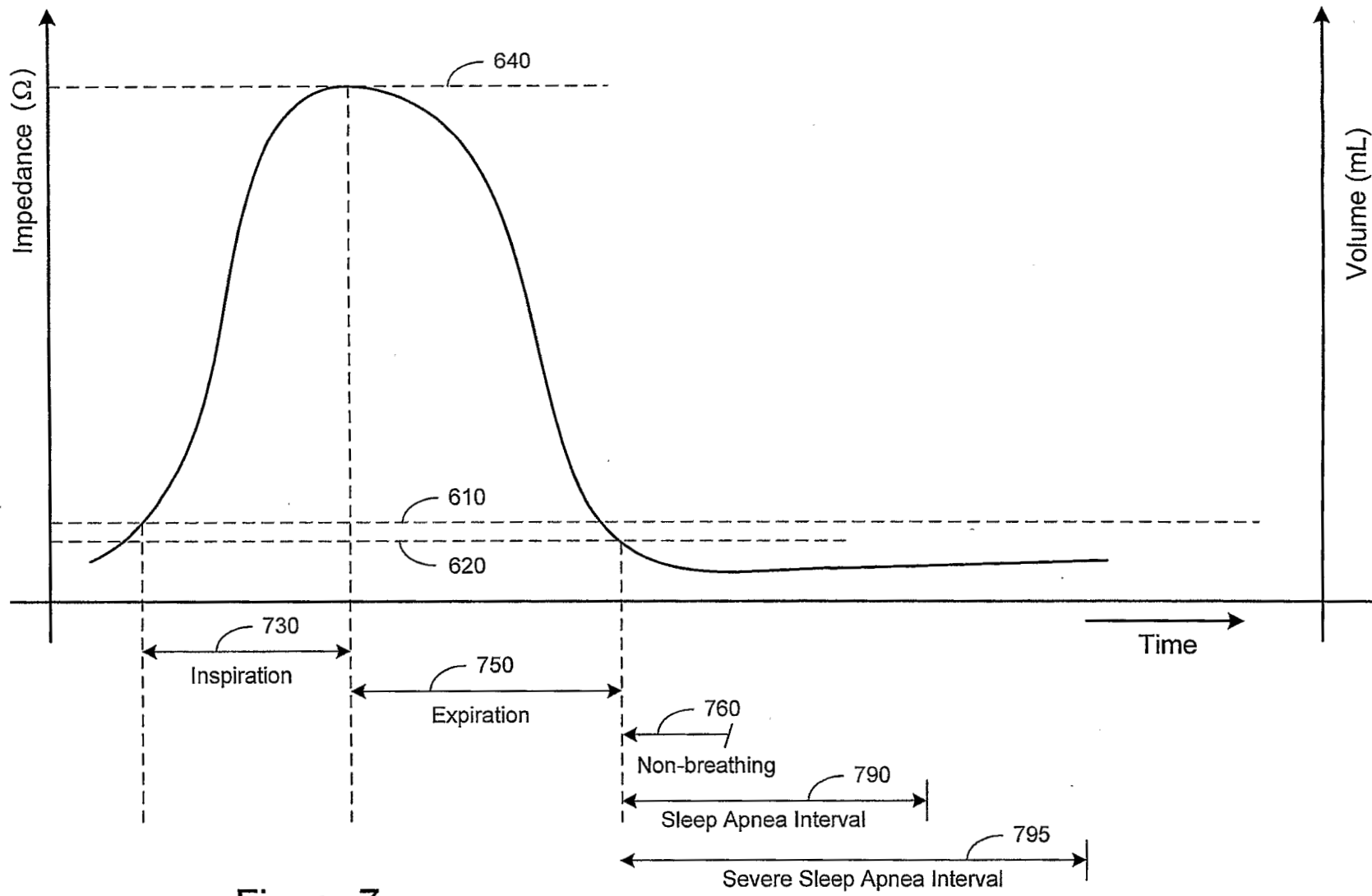


Figure 7

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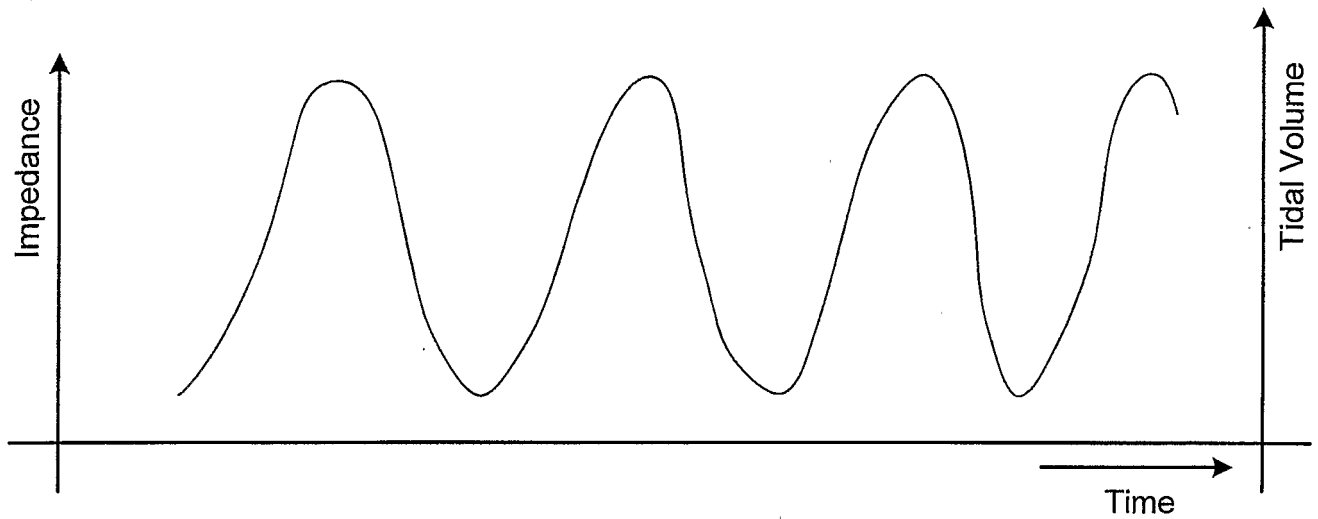


Figure 8A

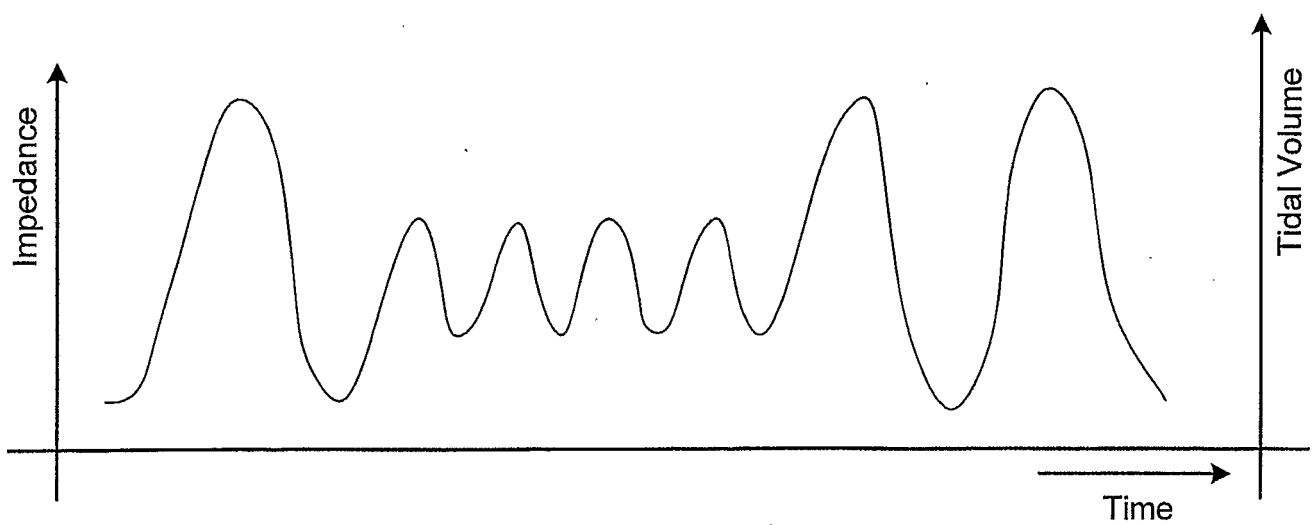


Figure 8B

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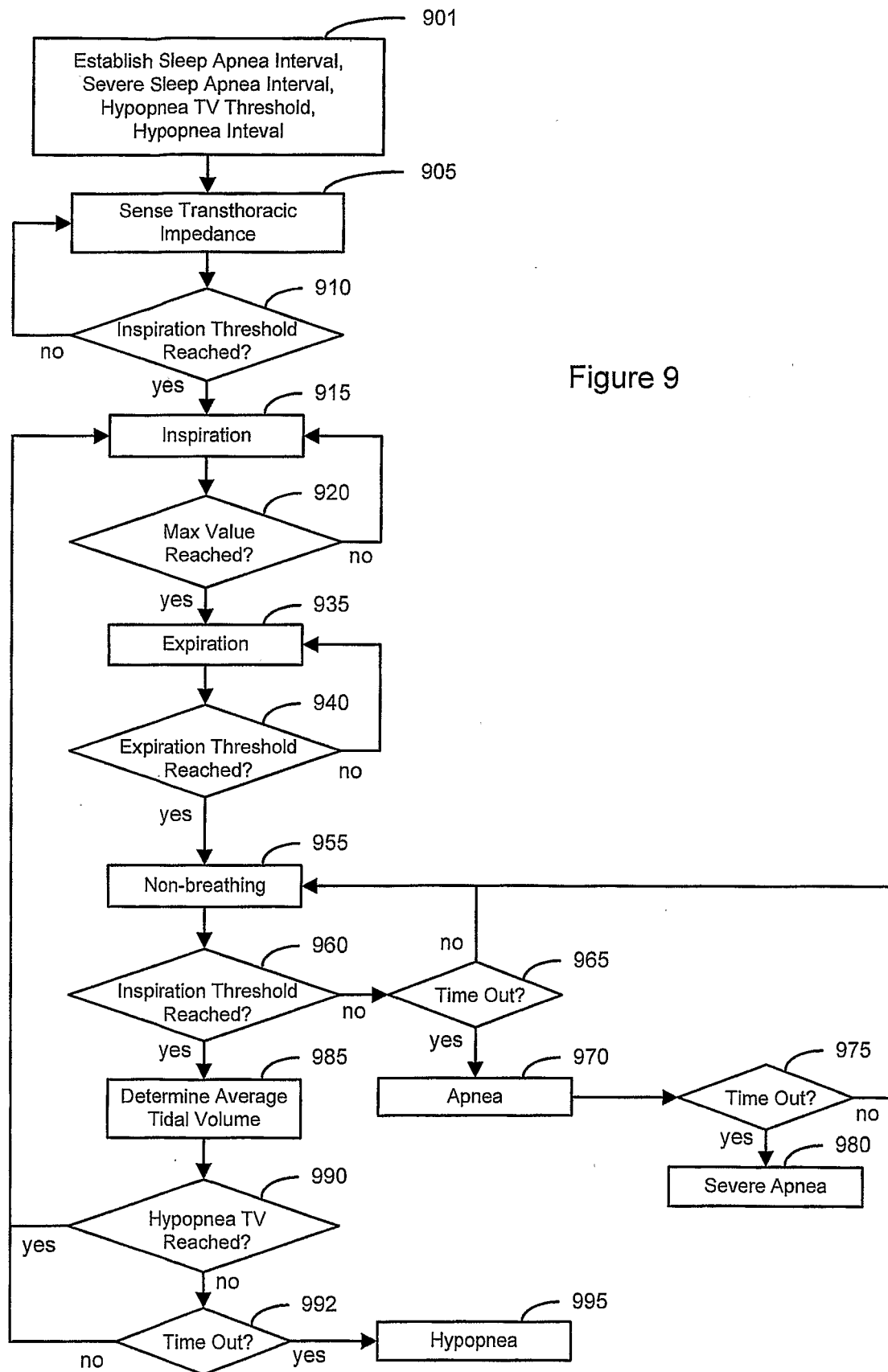


Figure 9

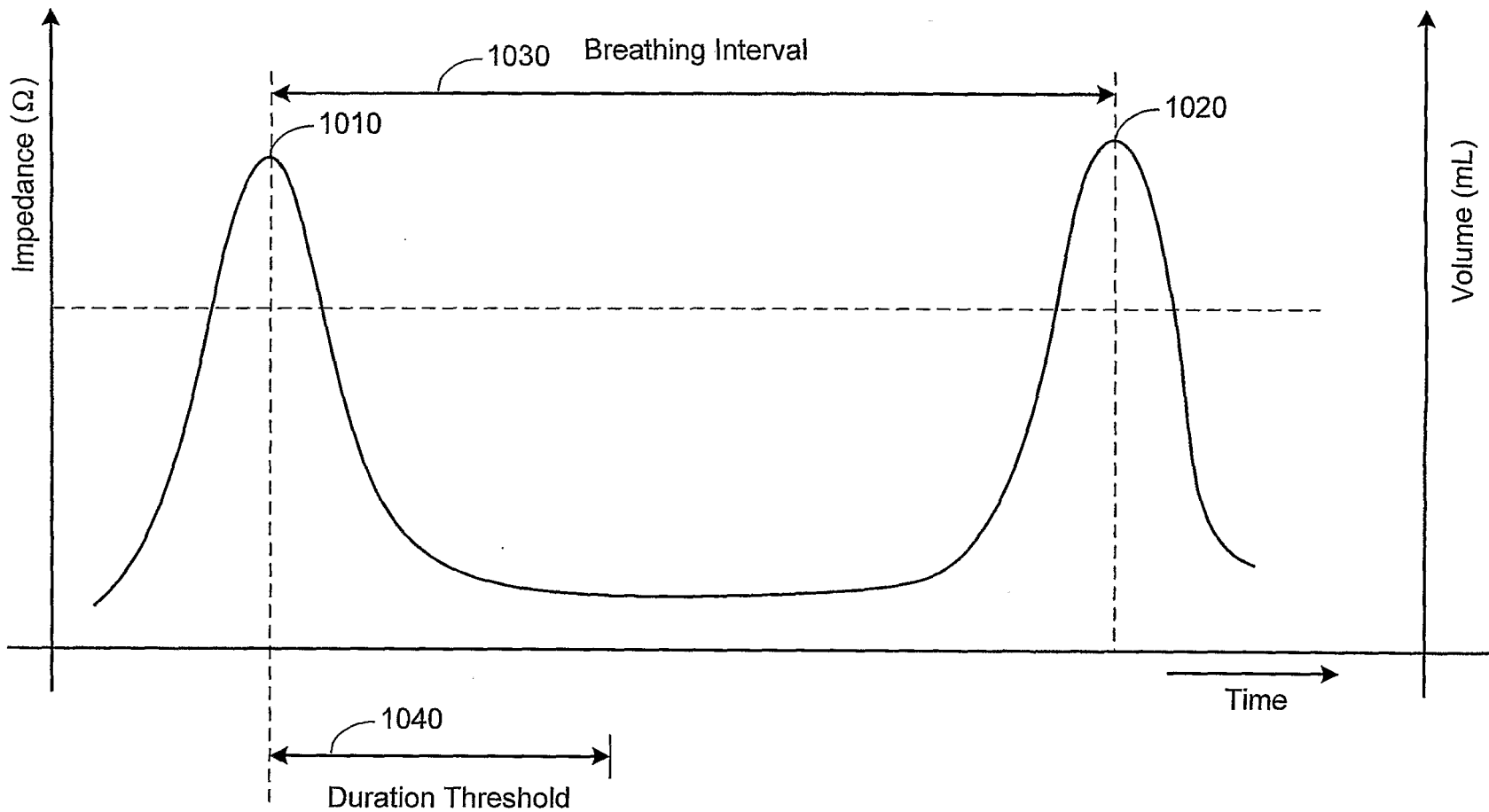


Figure 10

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PCT/US2004/030787

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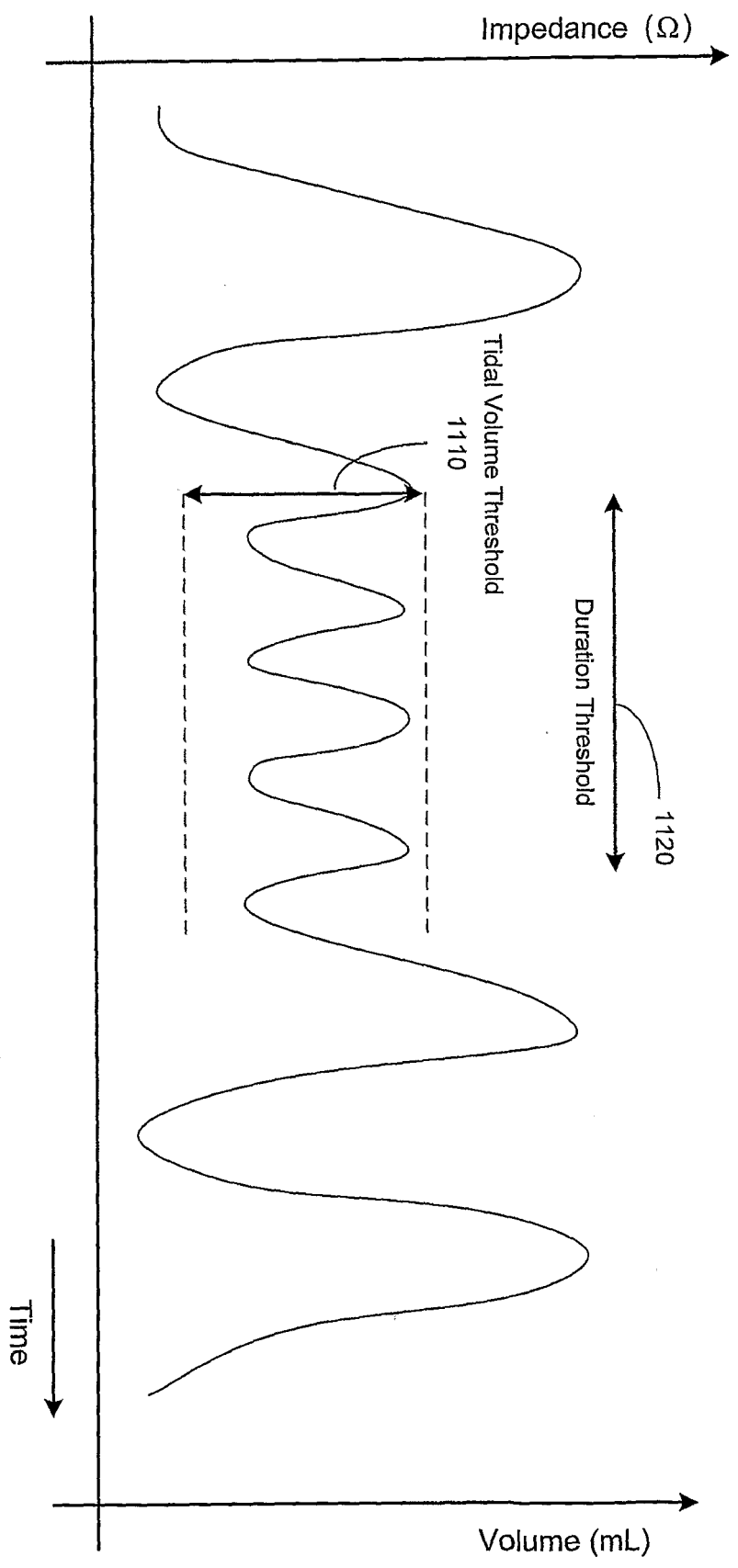


Figure 11

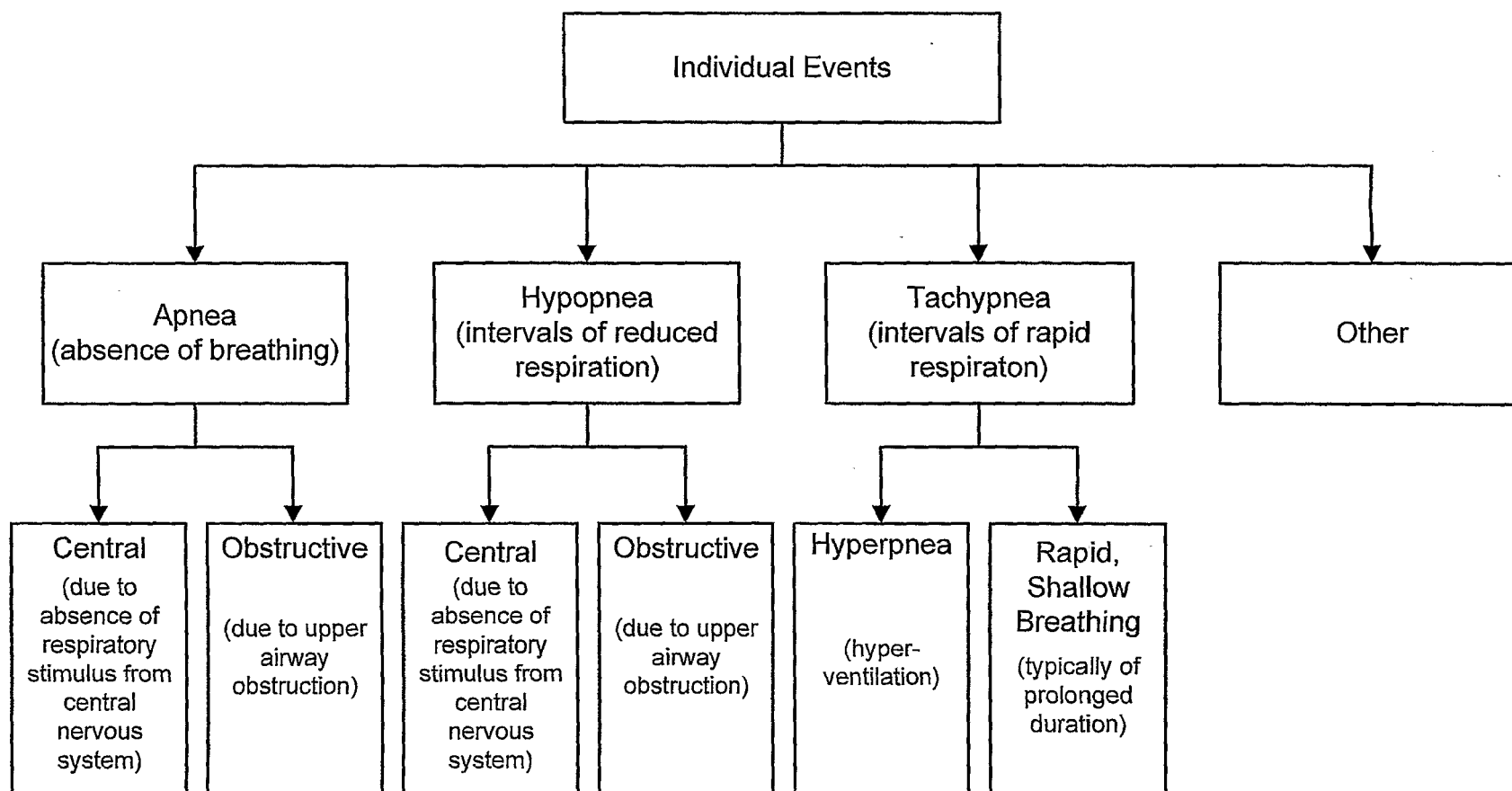


Figure 12

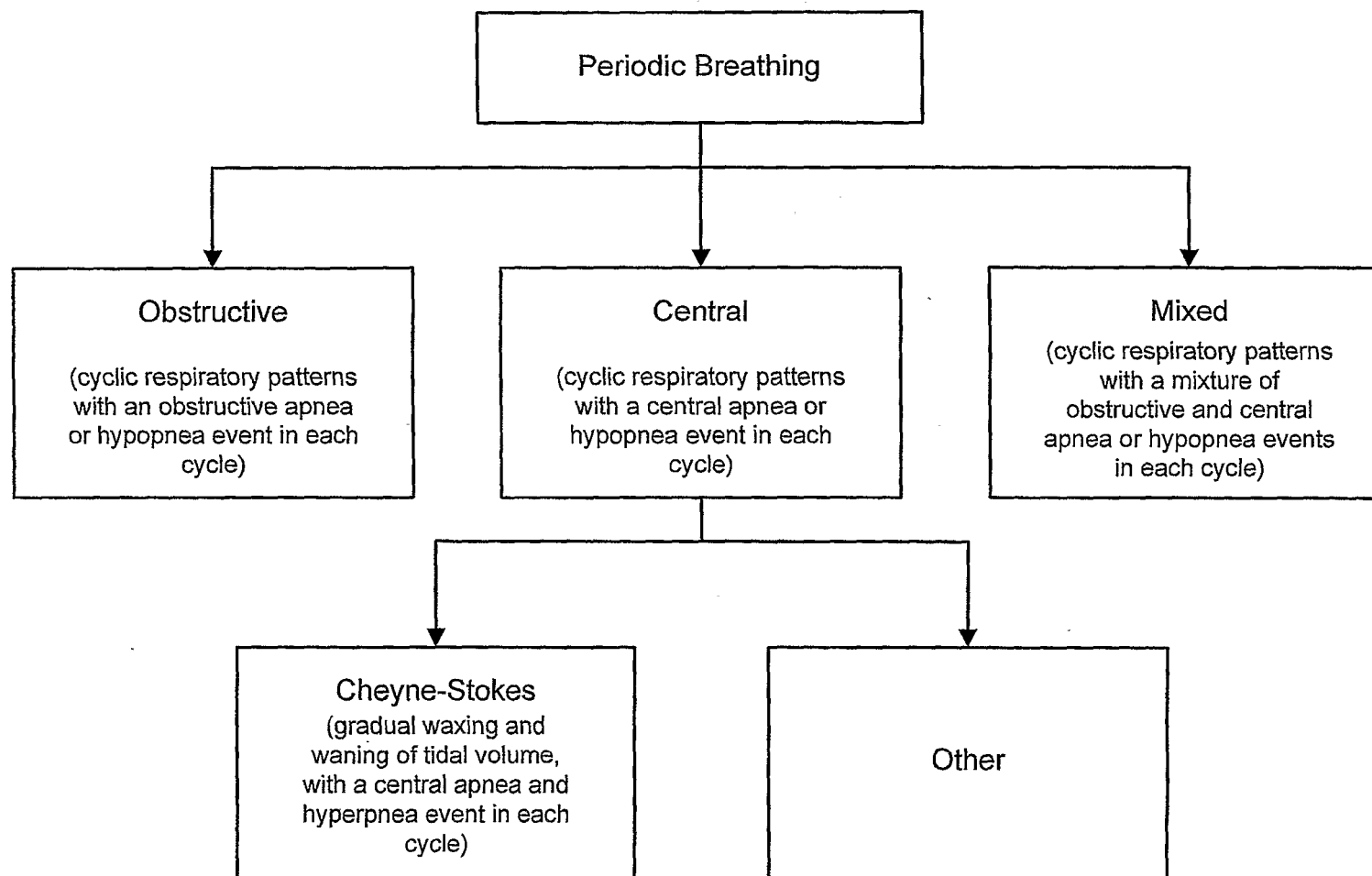


Figure 13

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Trigger On

Trigger Off

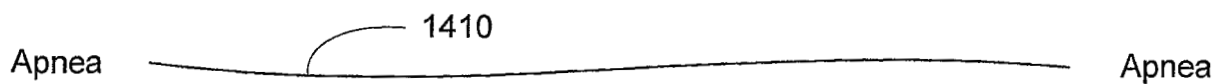


Figure 14A



Figure 14B

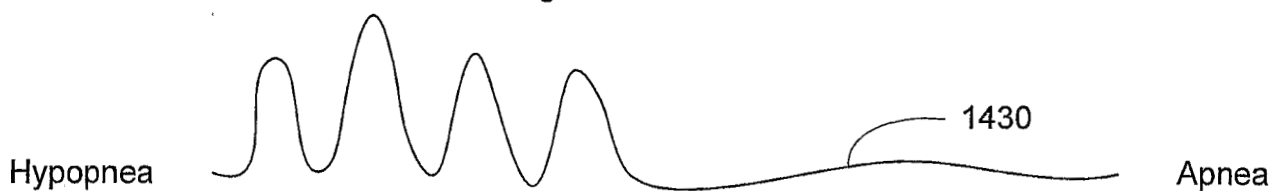


Figure 14C

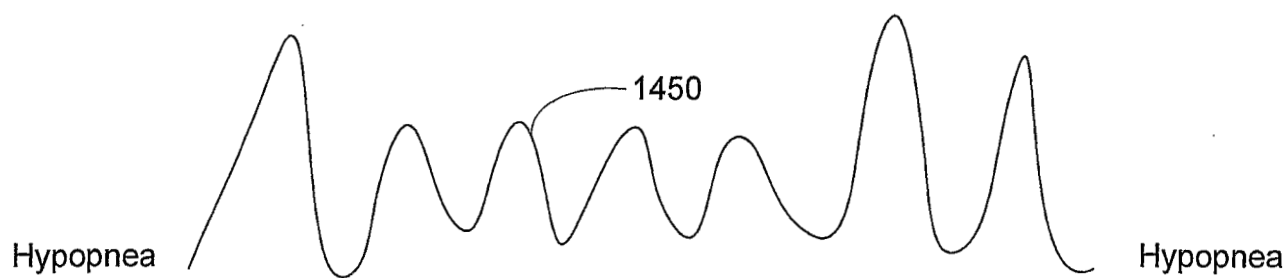


Figure 14D

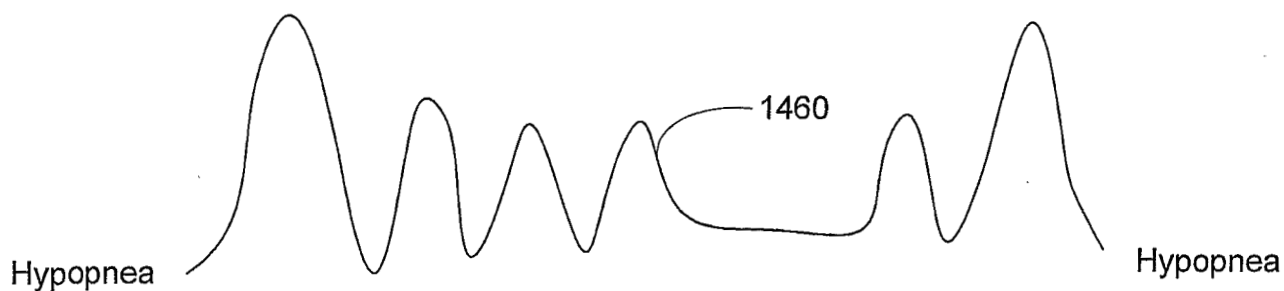


Figure 14E

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PCT/US2004/030787

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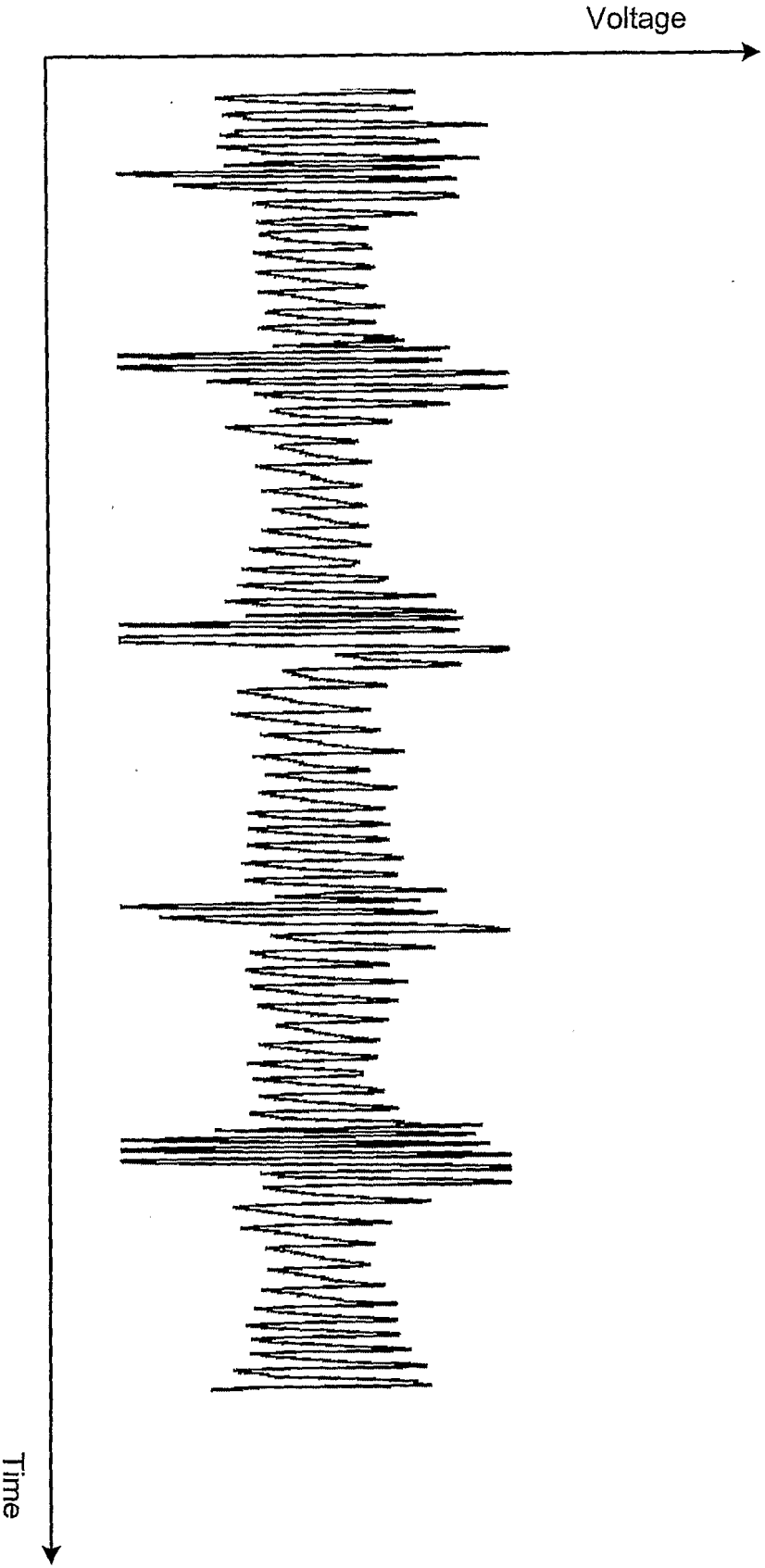


Figure 14F

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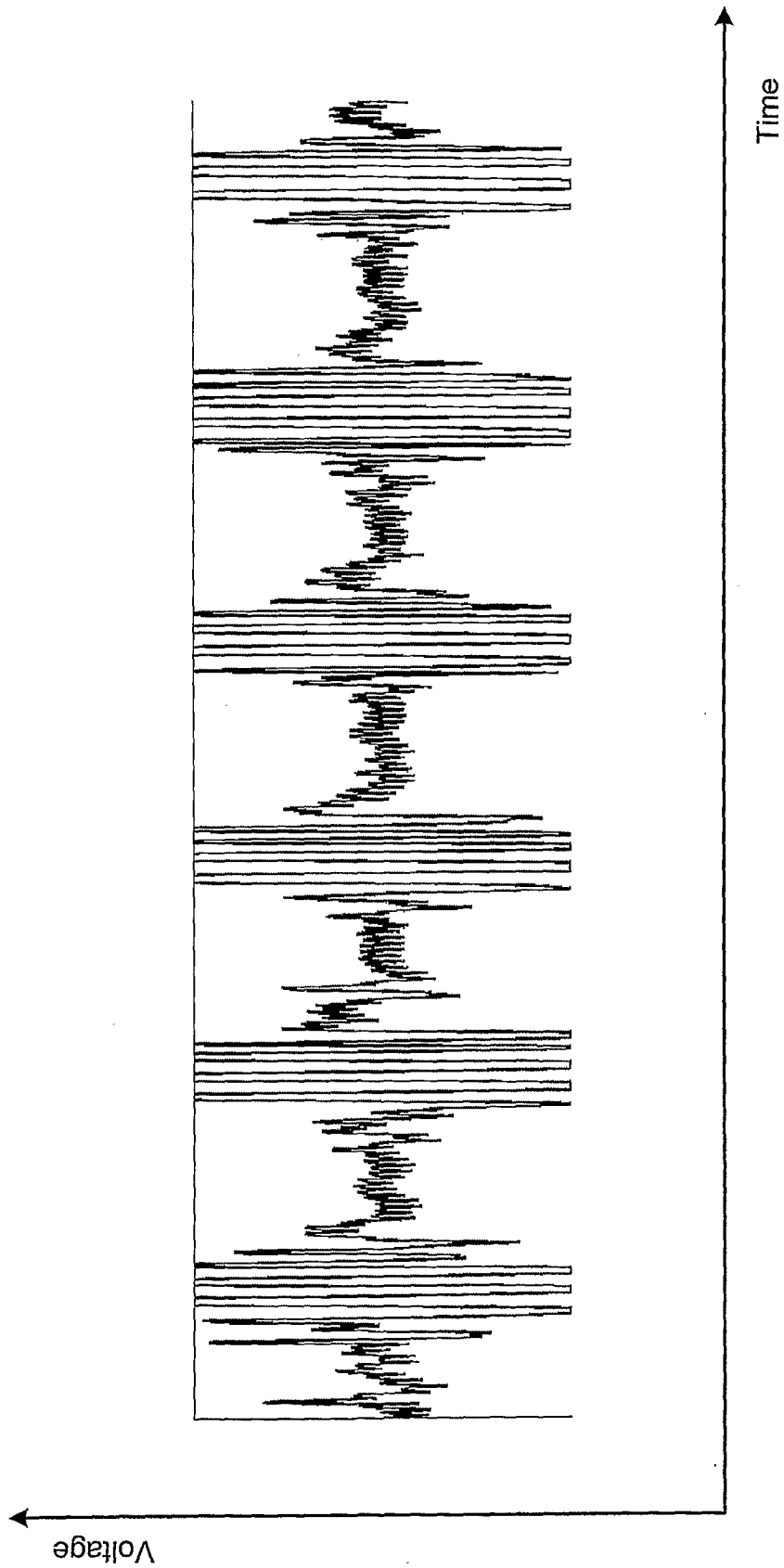
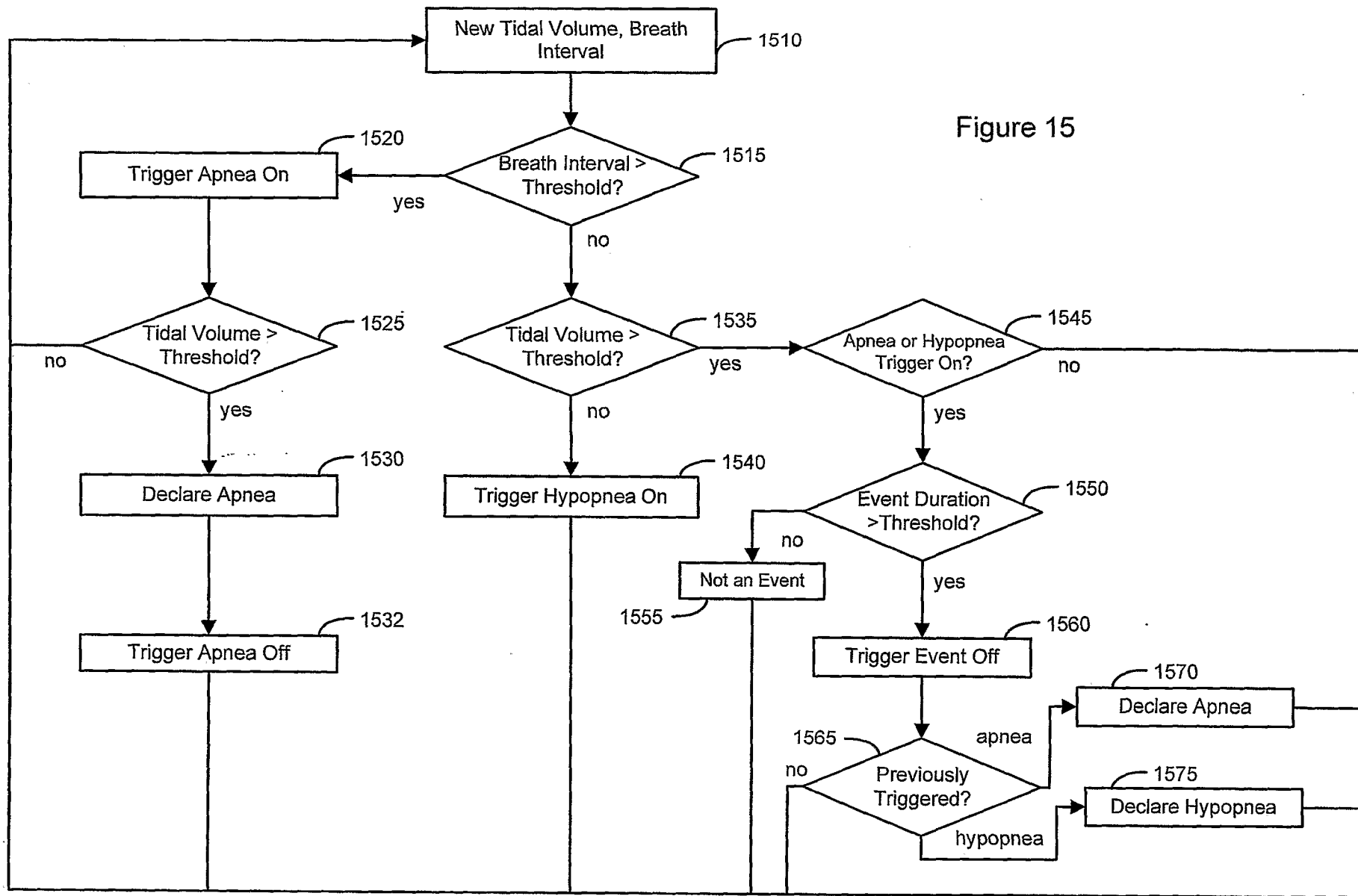


Figure 14G



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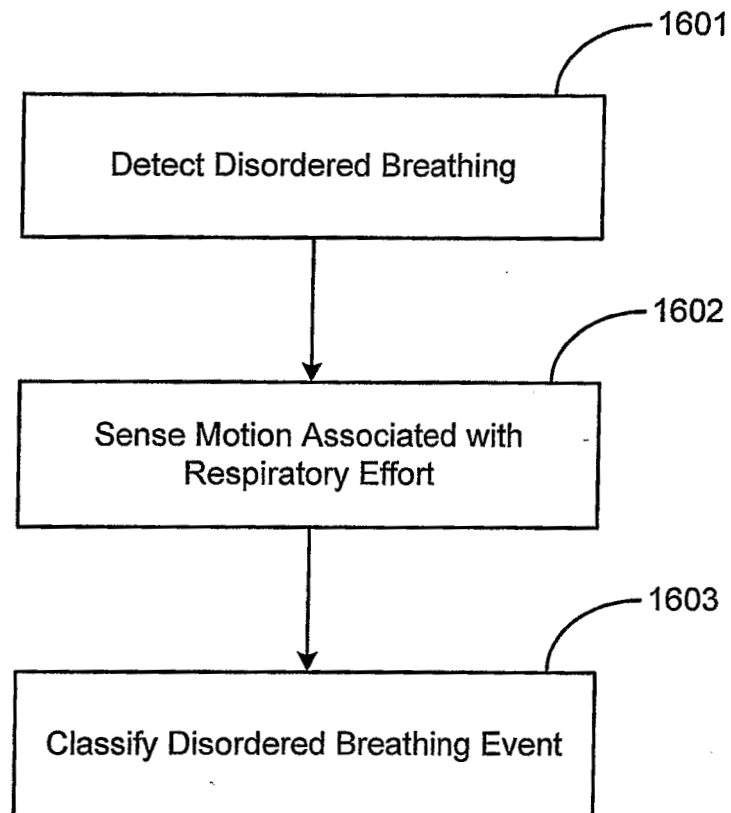


Figure 16A

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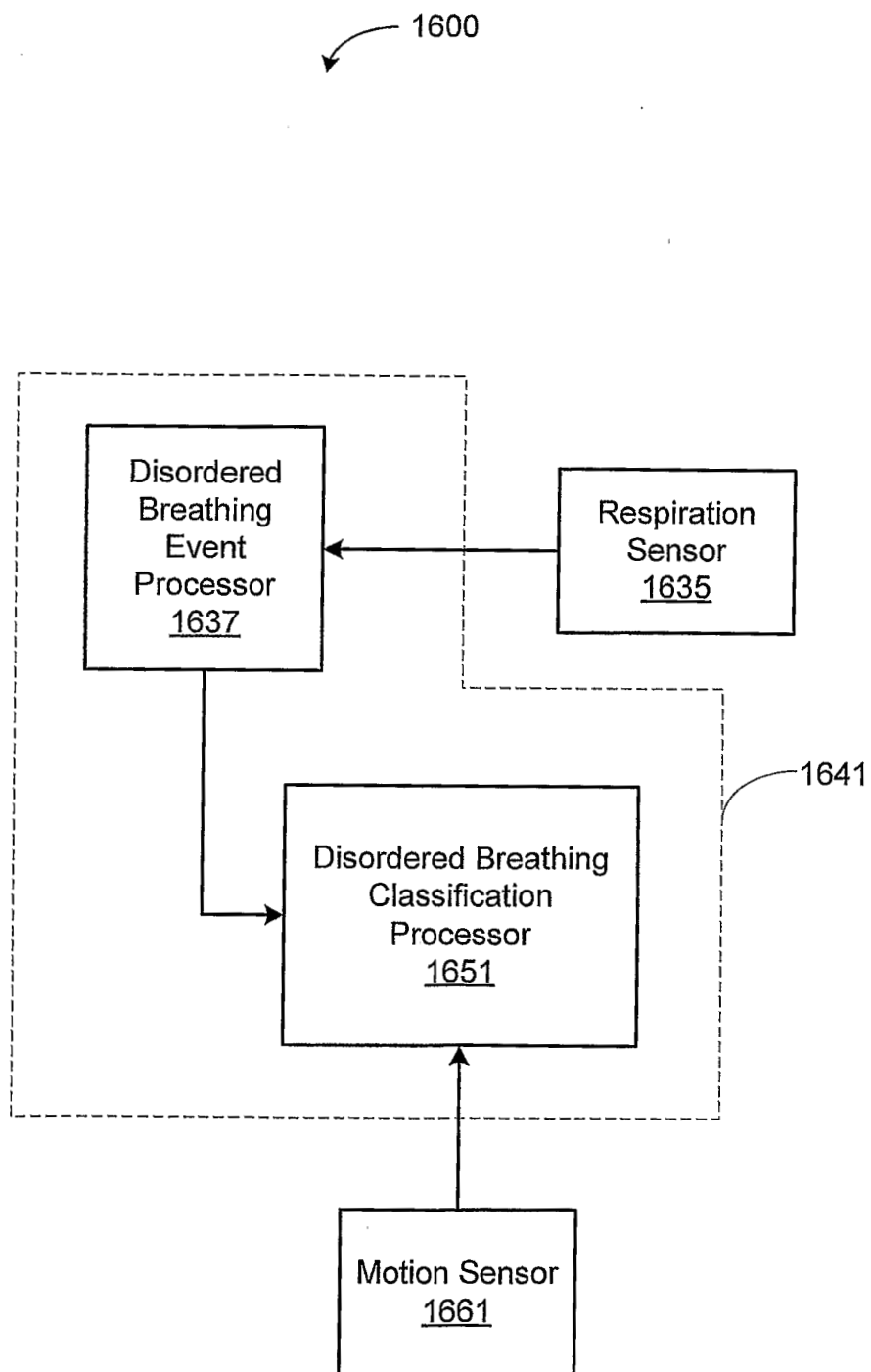


Figure 16B

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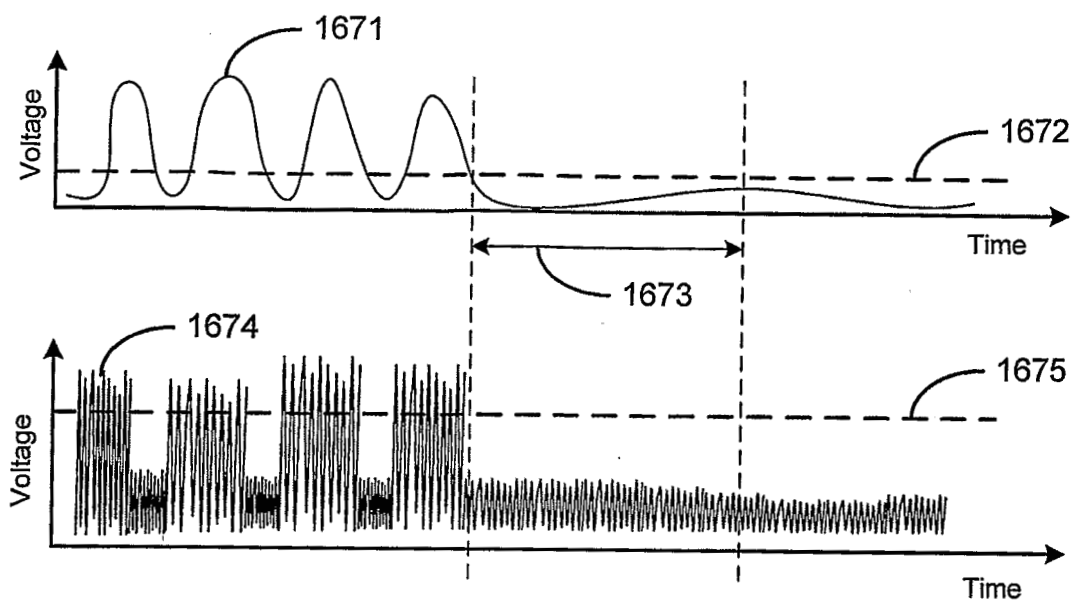


Figure 16C

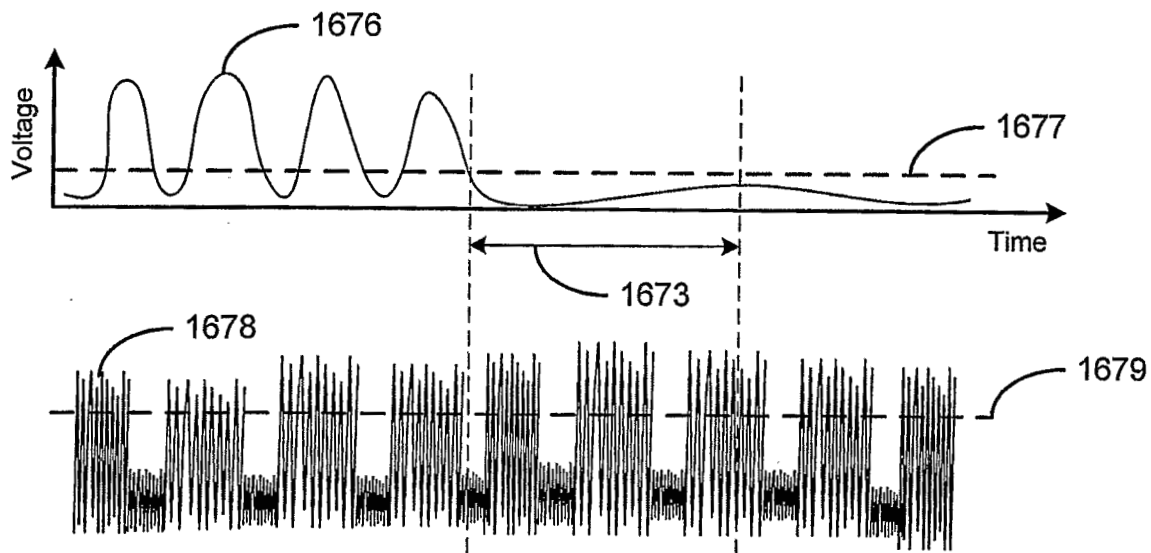
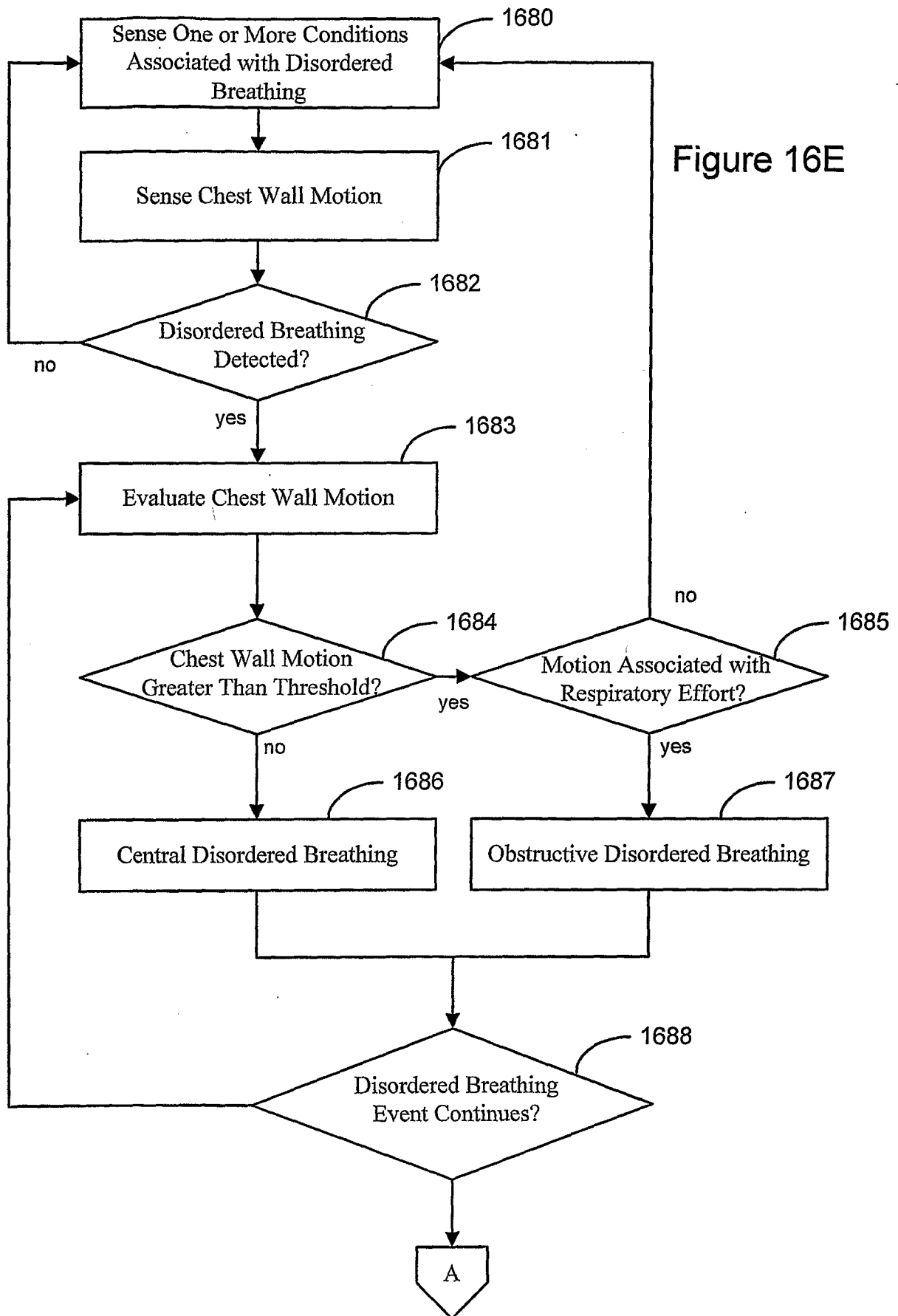


Figure 16D

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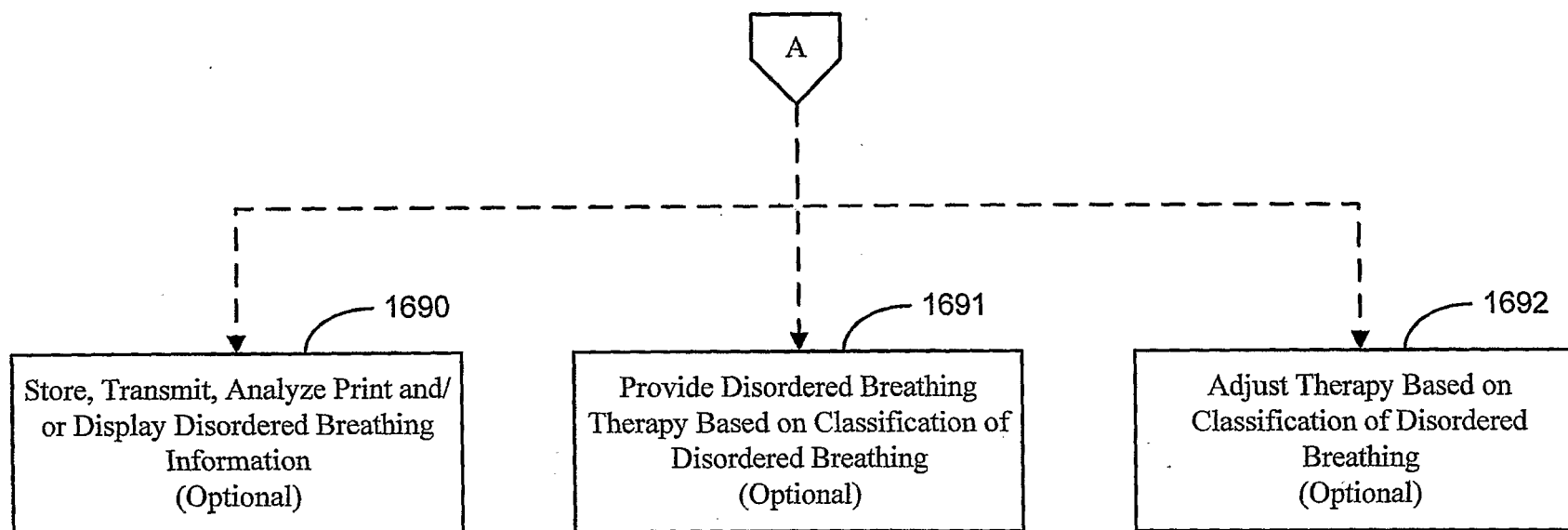


Figure 16F

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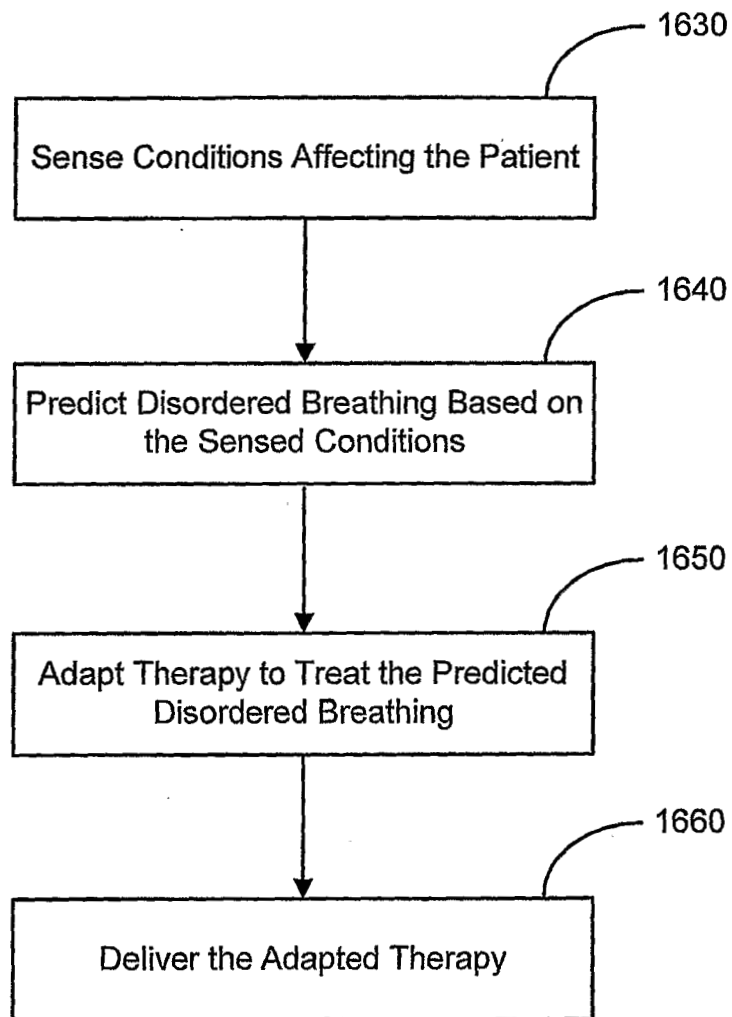


Figure 16G

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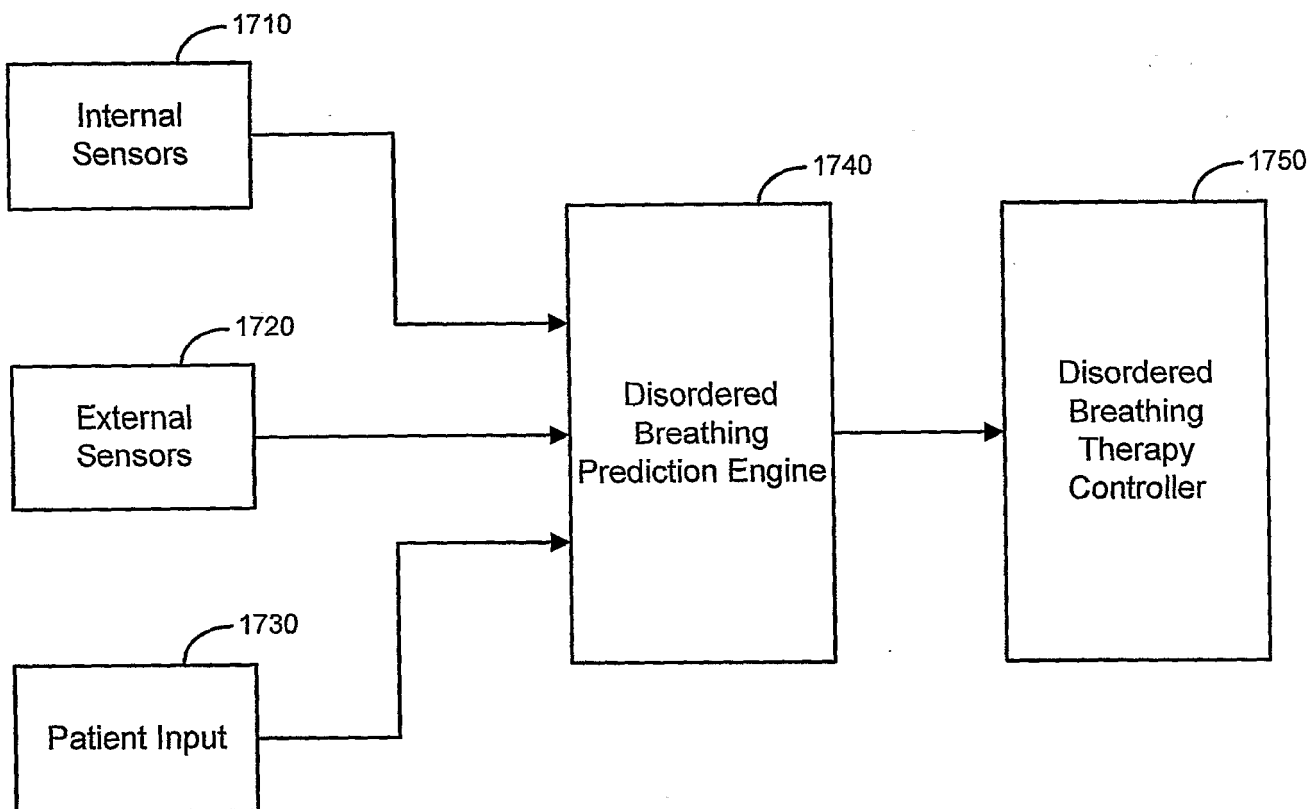


Figure 17

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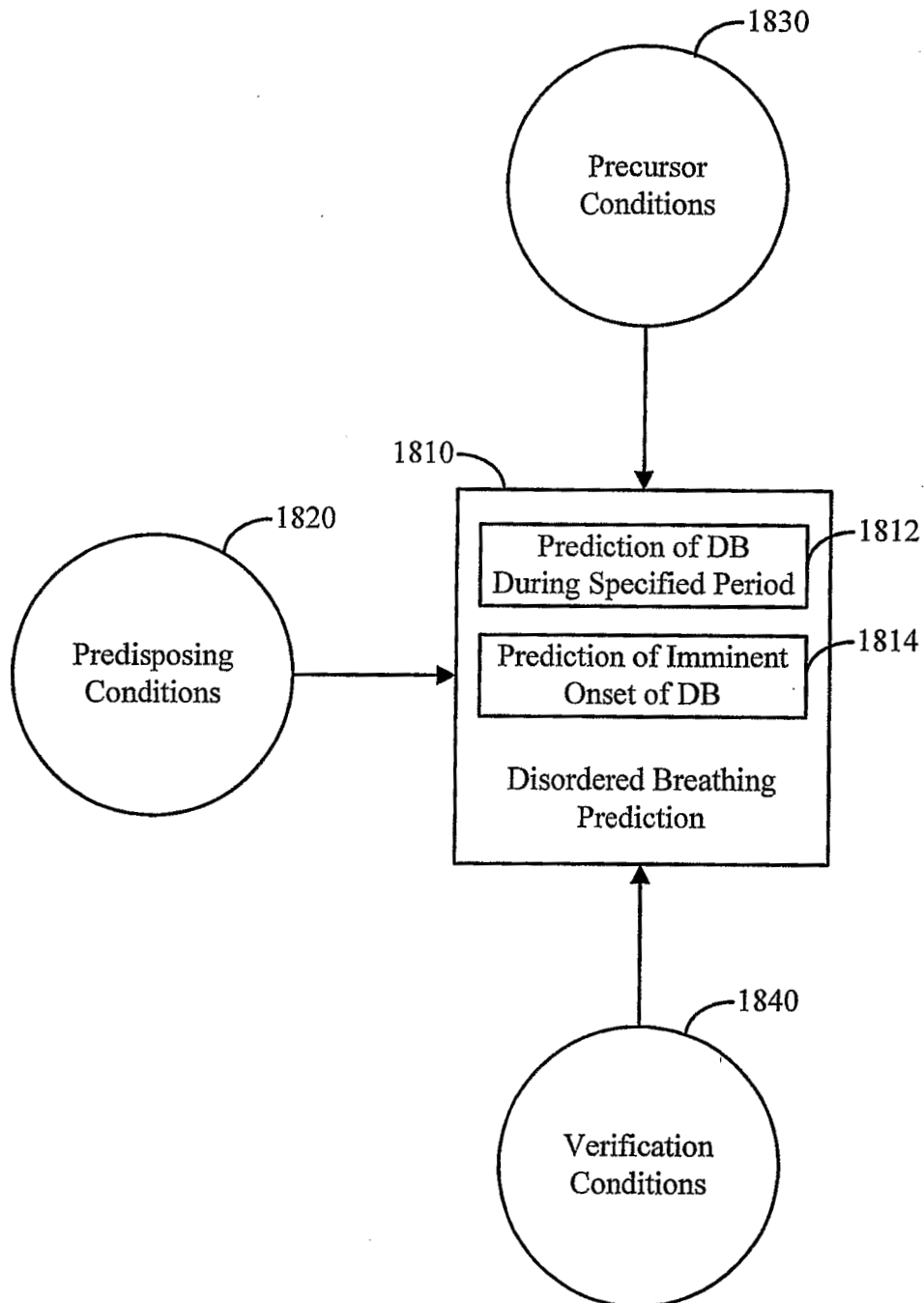


Figure 18

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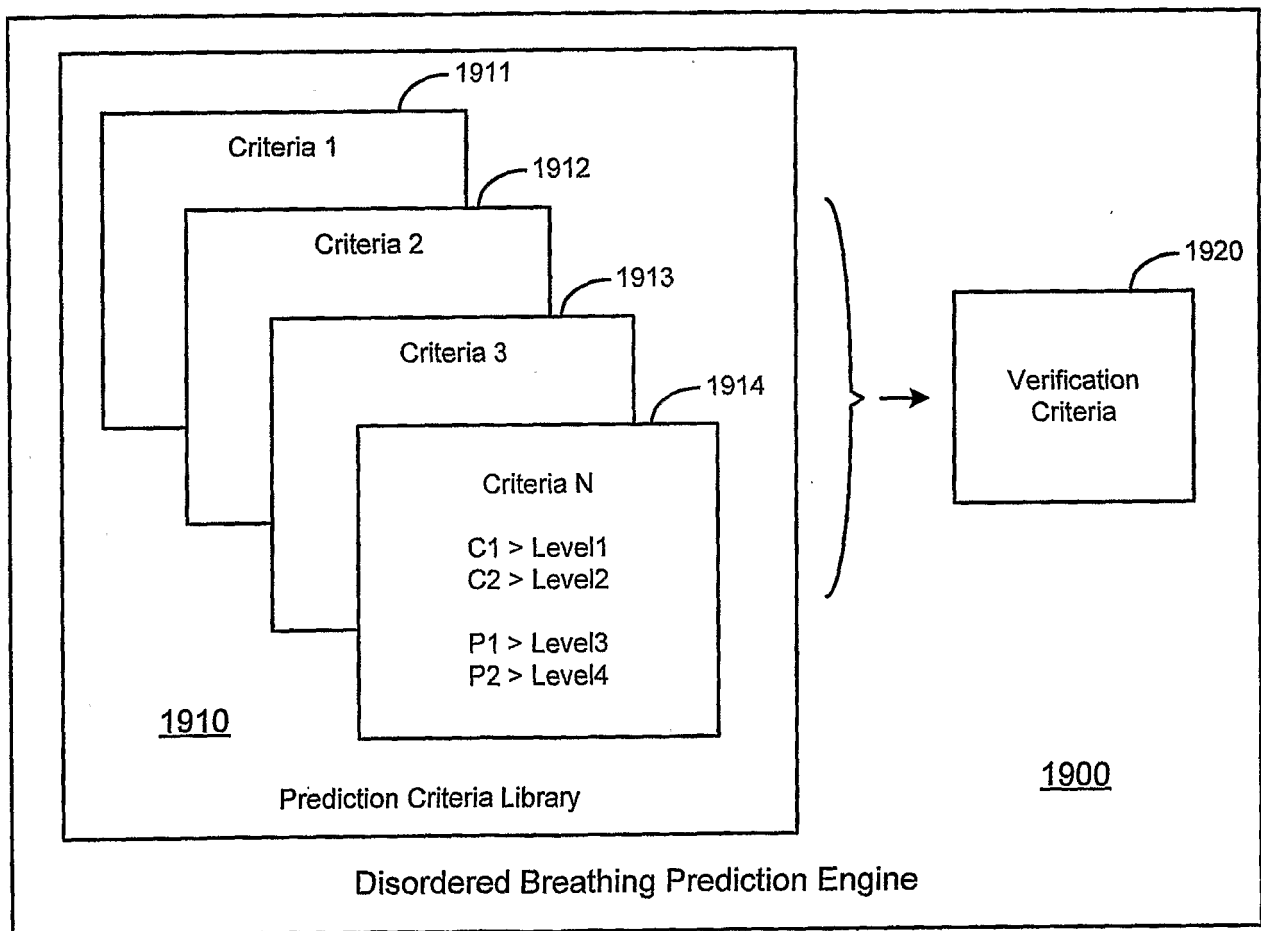


Figure 19

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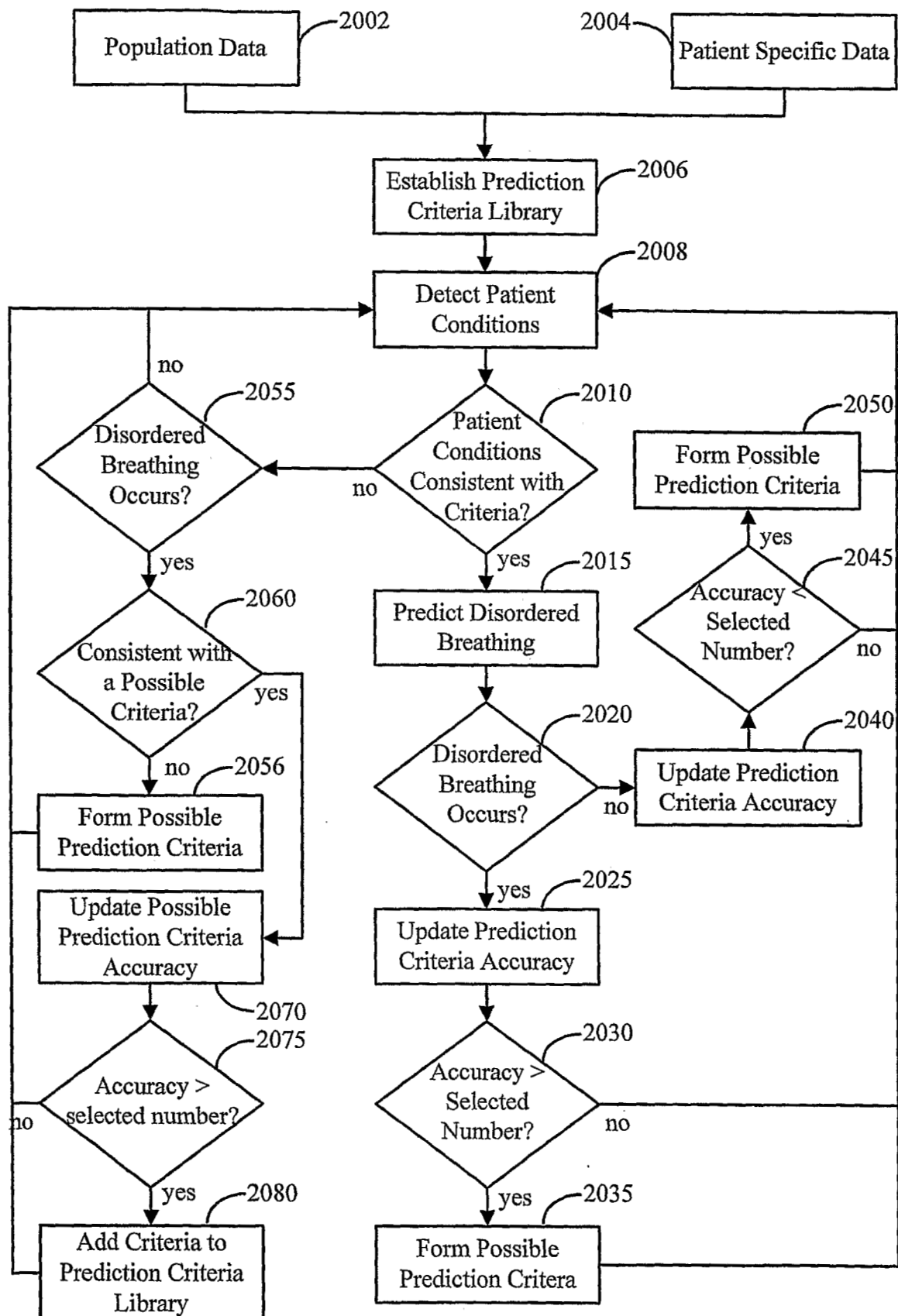


Figure 20

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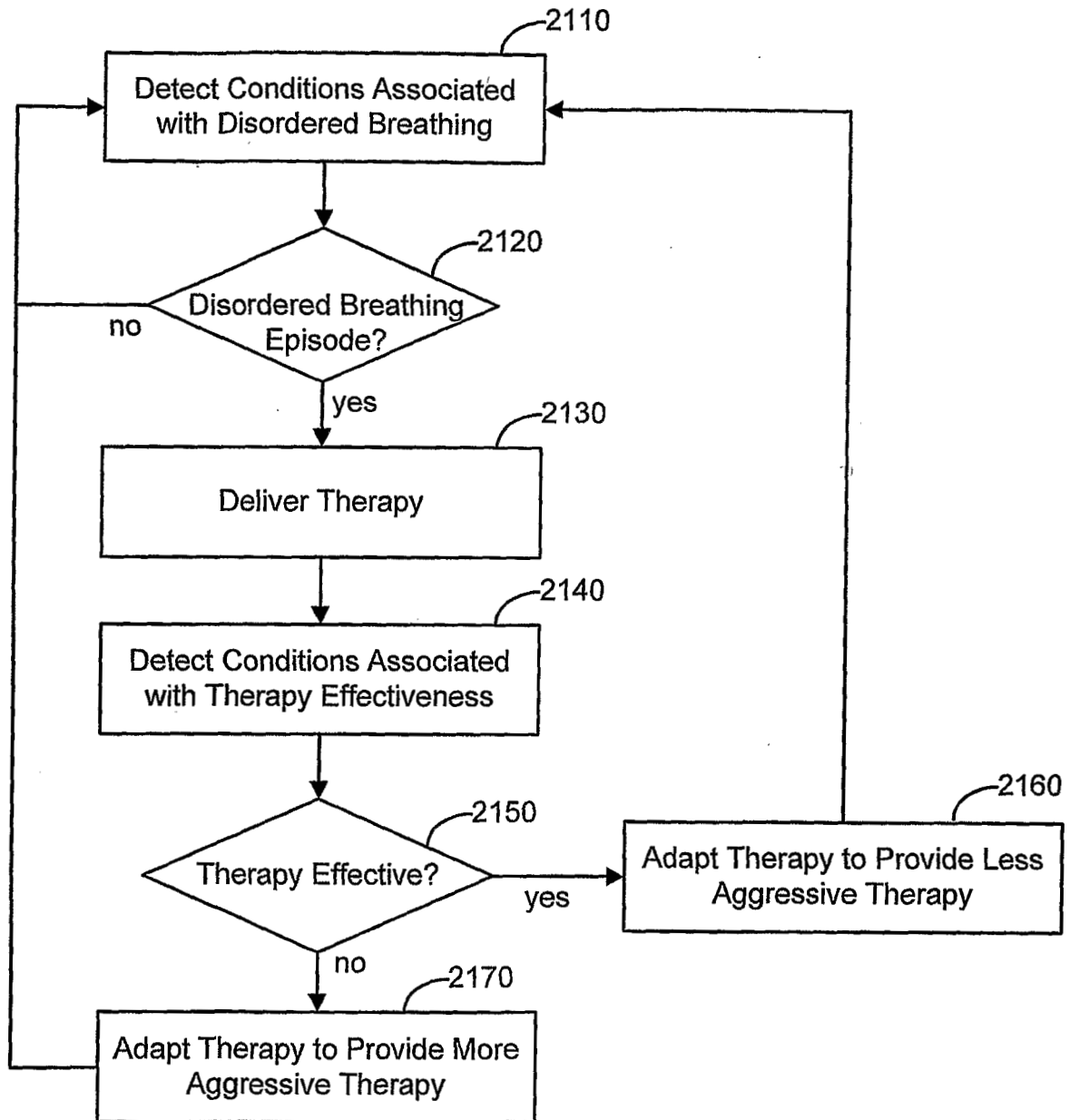


Figure 21

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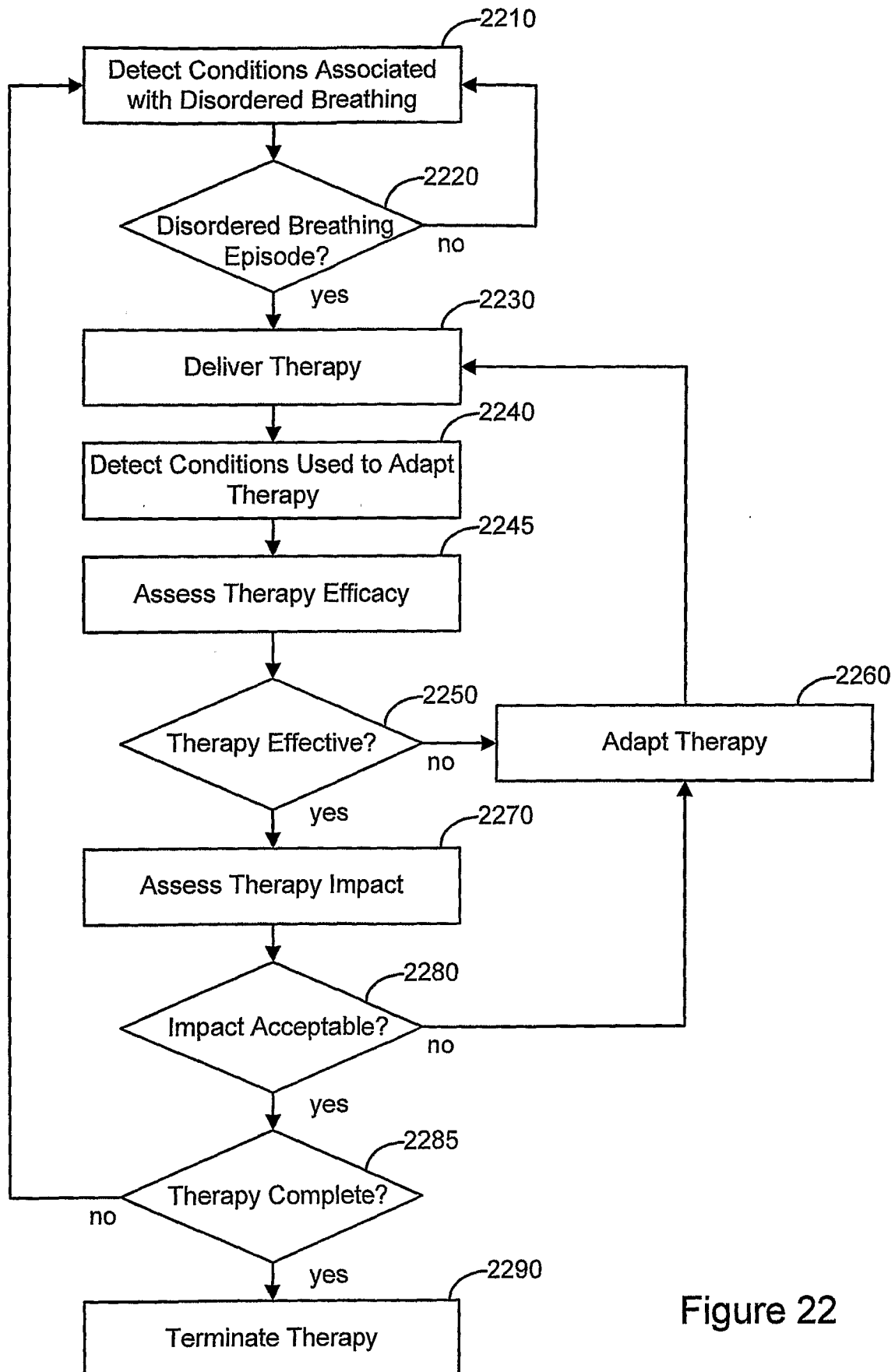


Figure 22

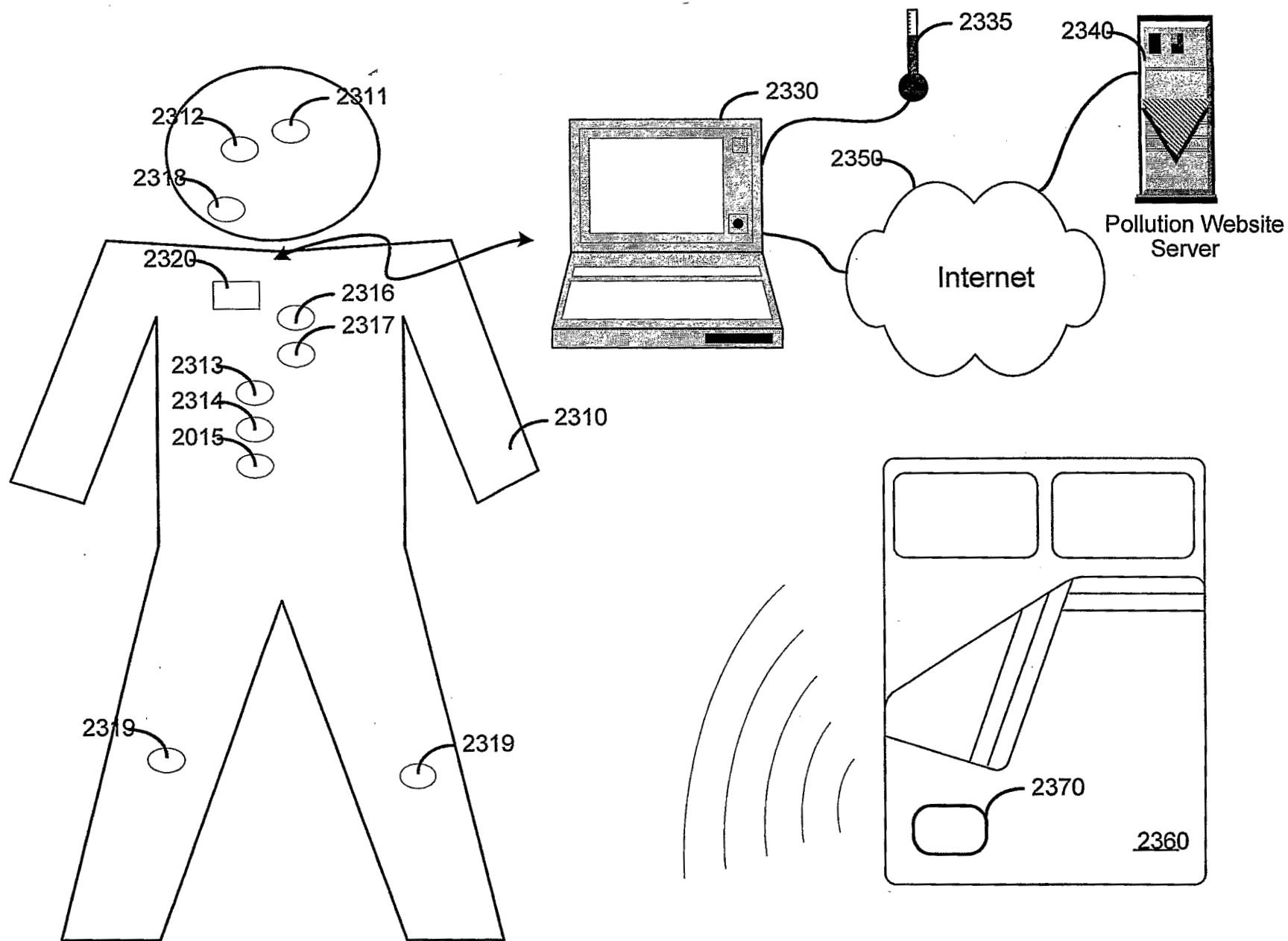


Figure 23

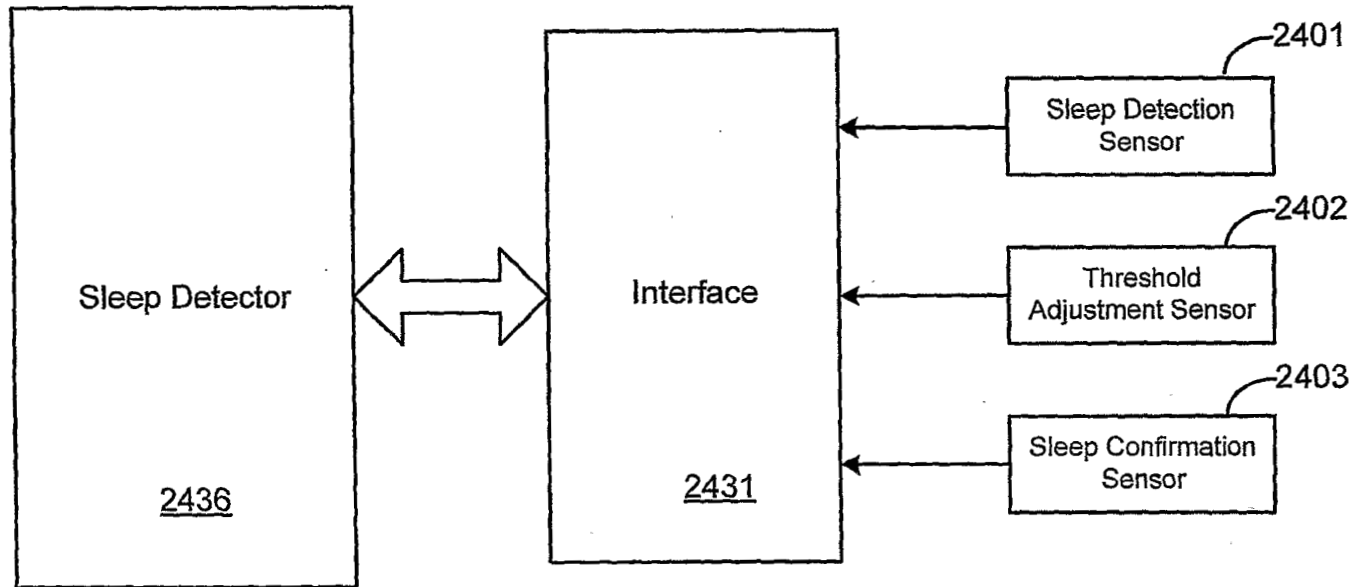


Figure 24

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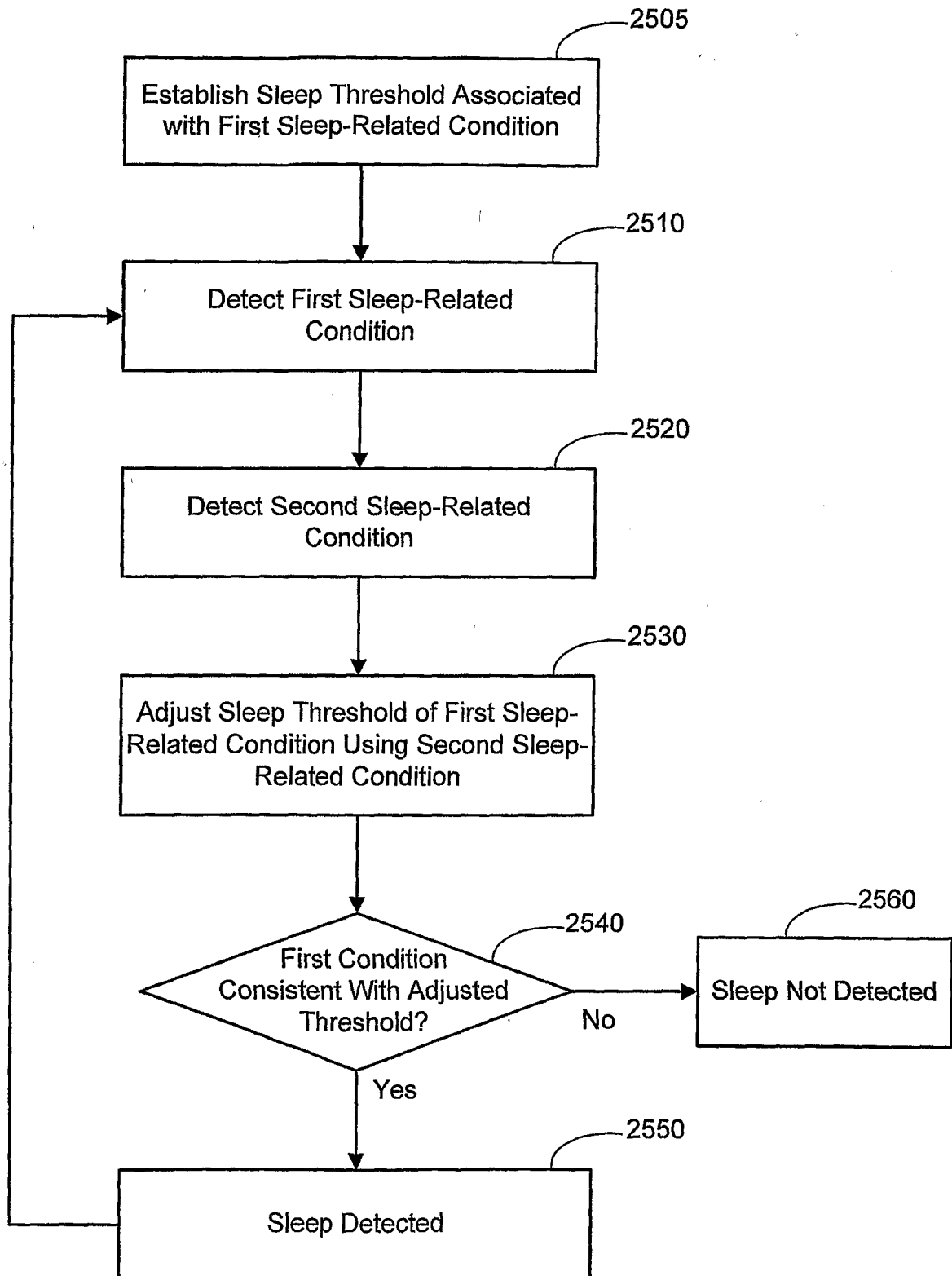
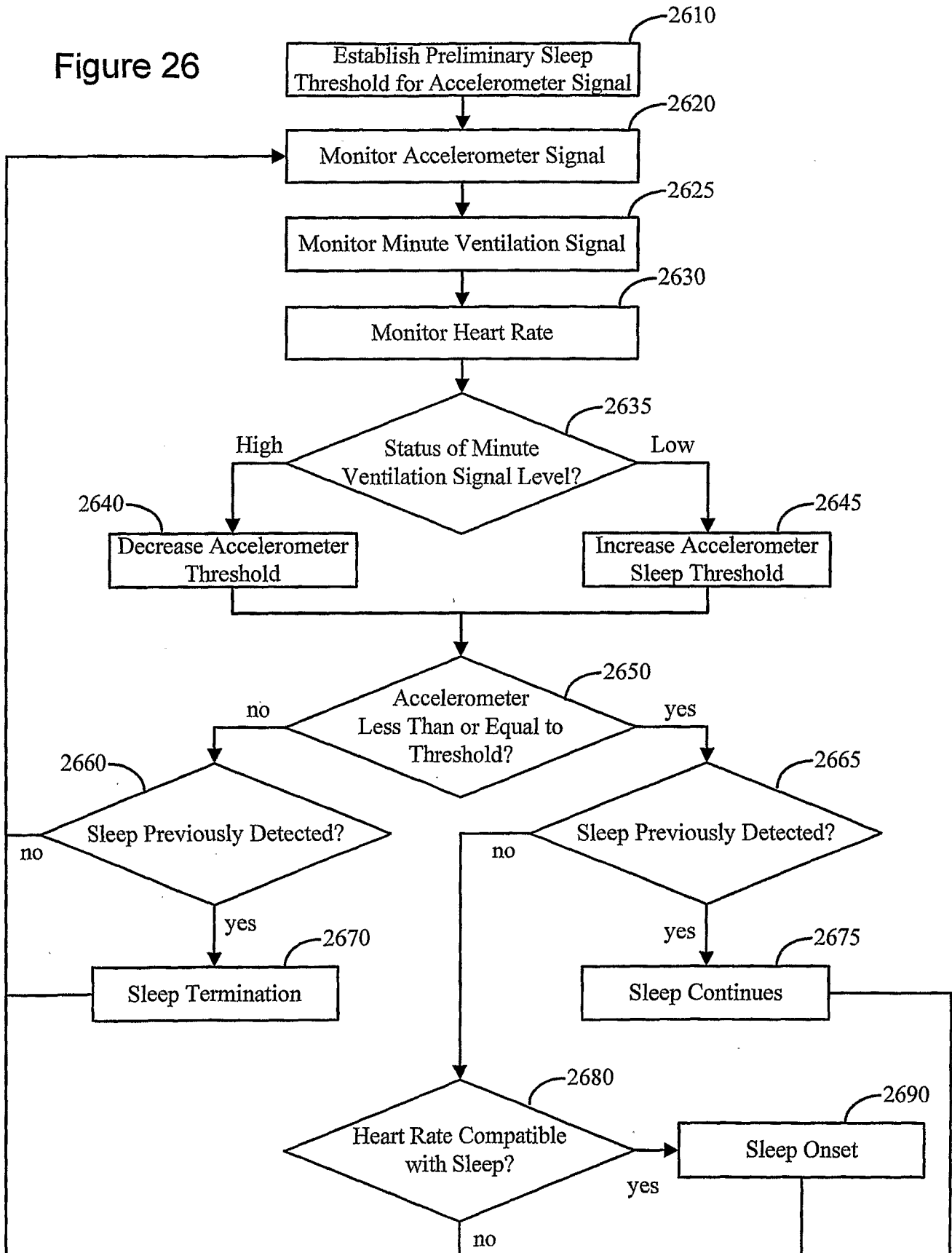


Figure 25

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Figure 26



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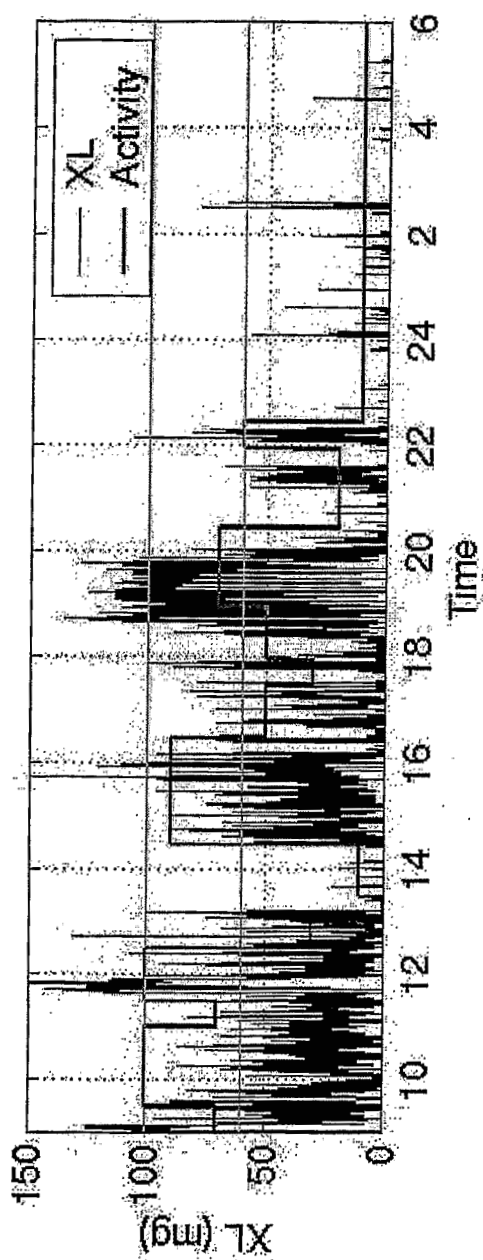


Figure 27

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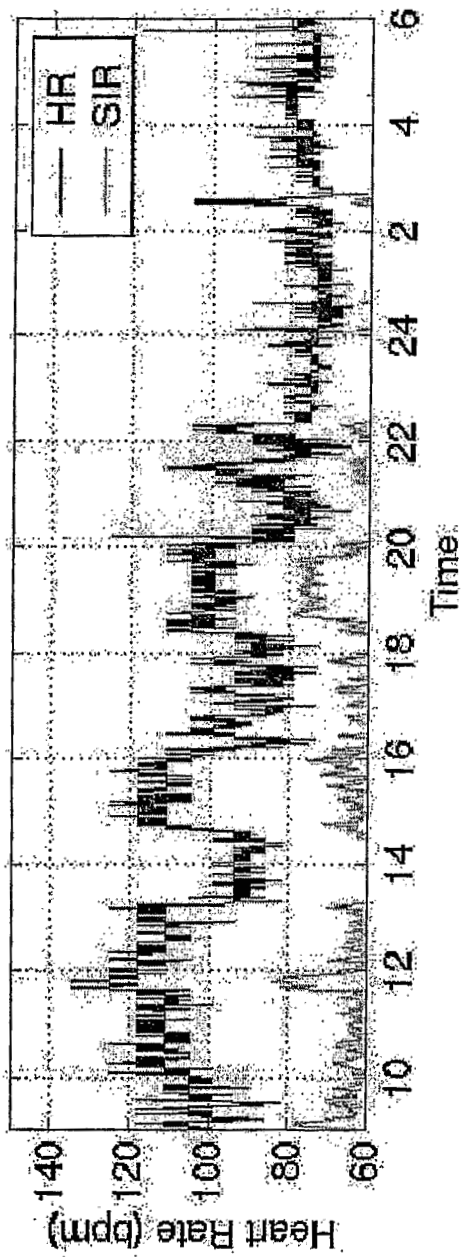


Figure 28

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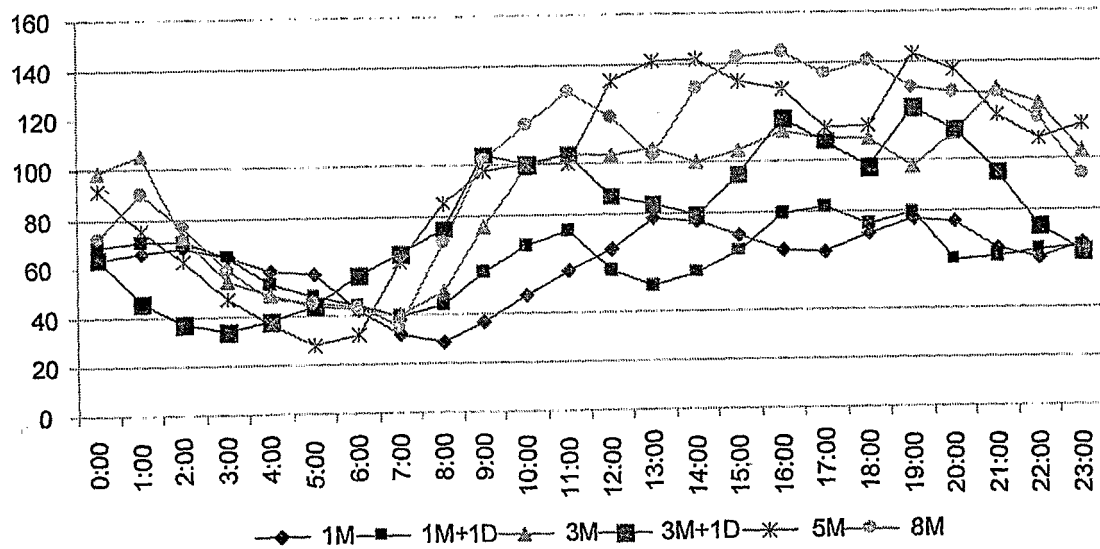


Figure 29

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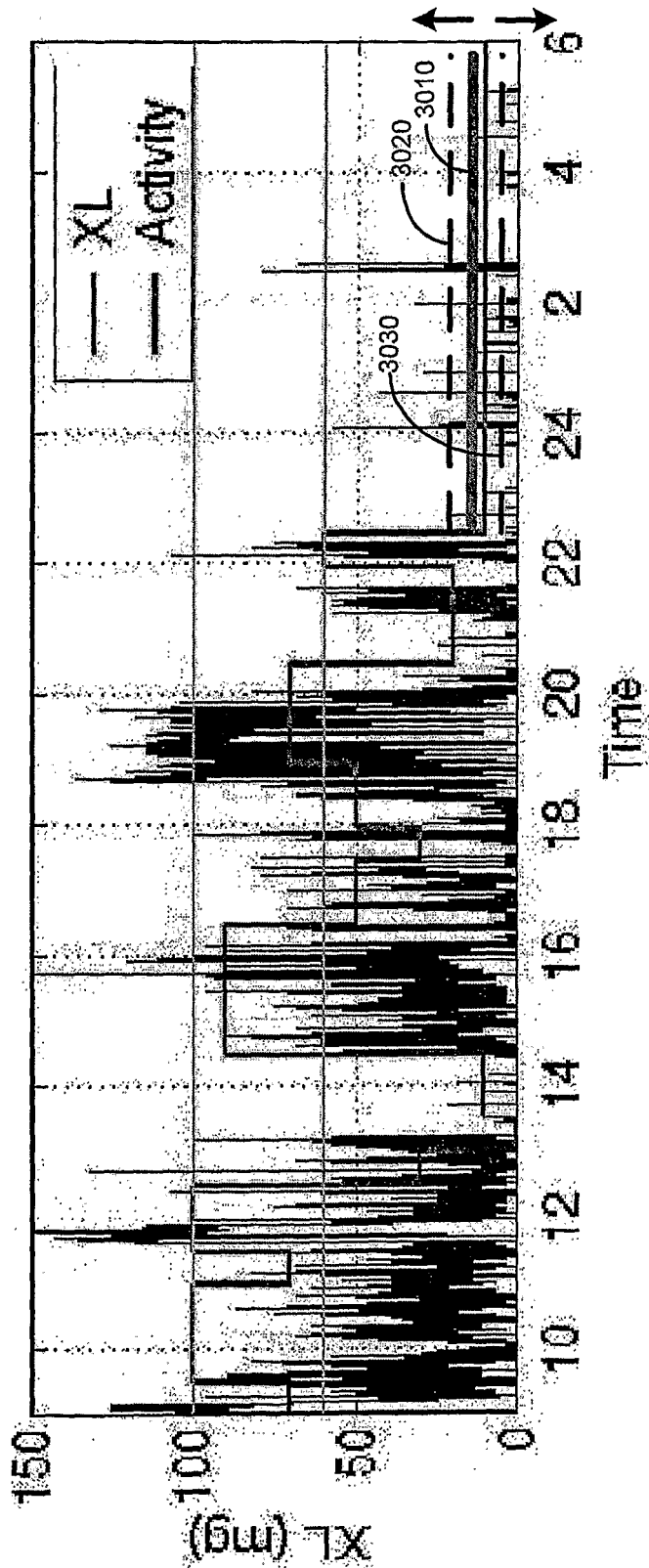


Figure 30

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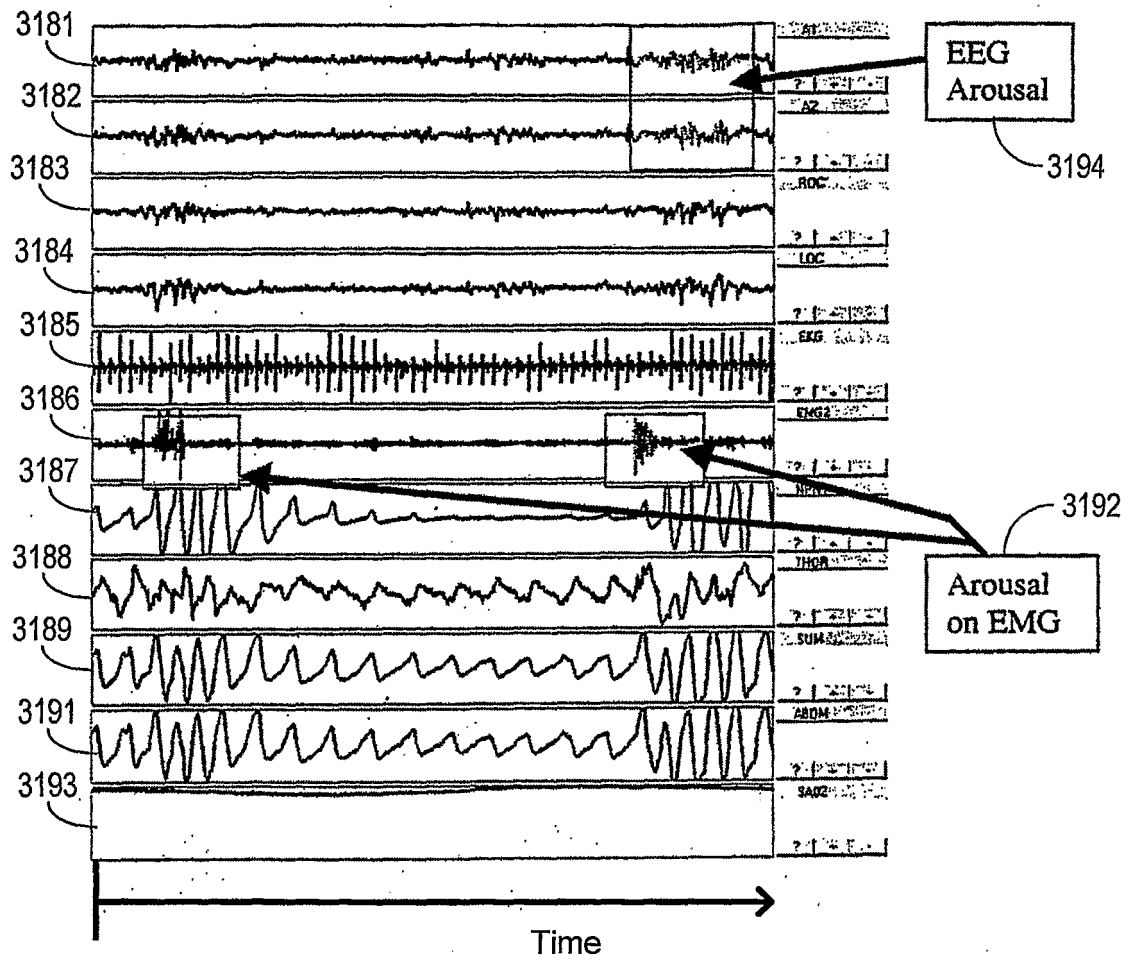


Figure 31

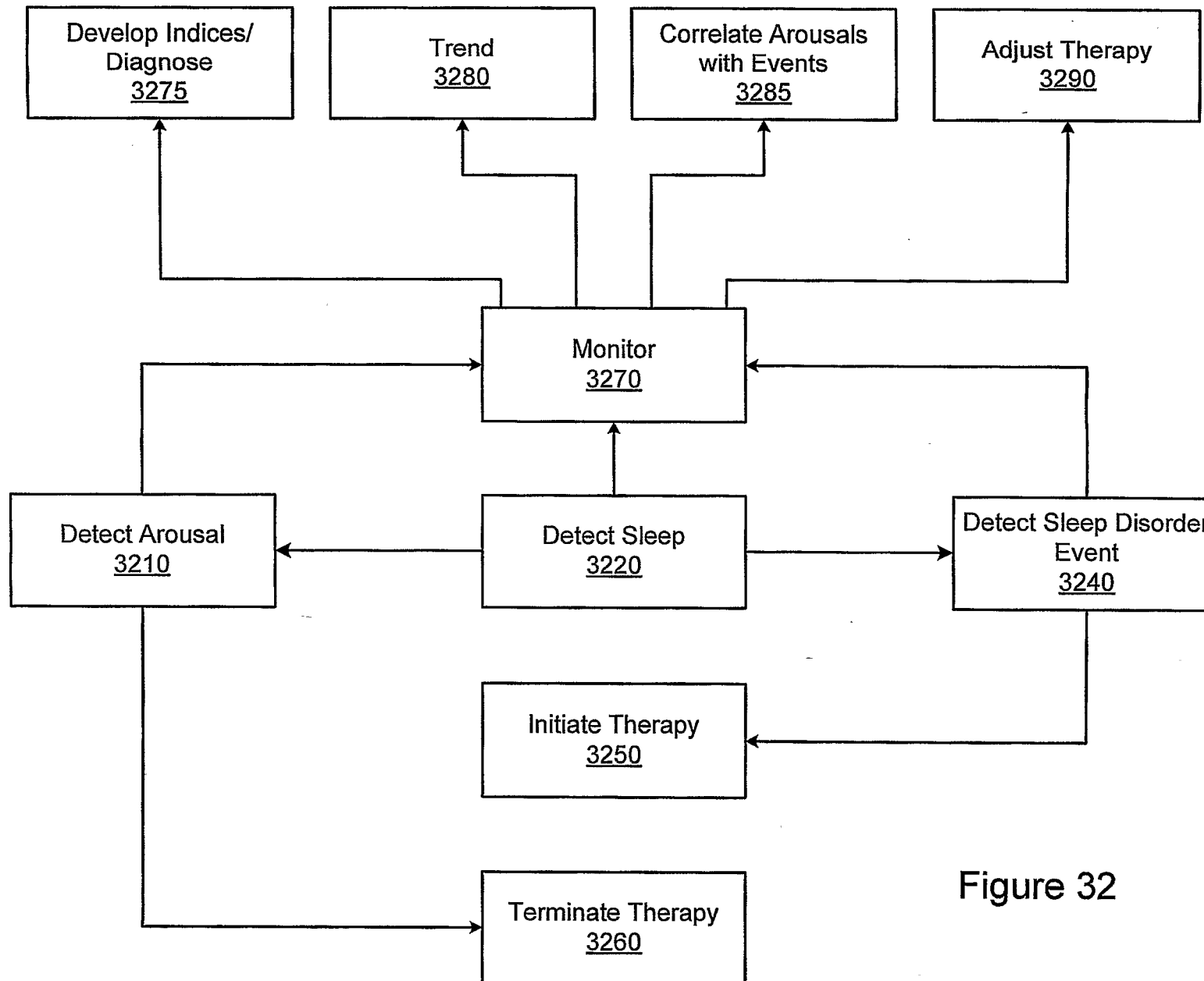


Figure 32

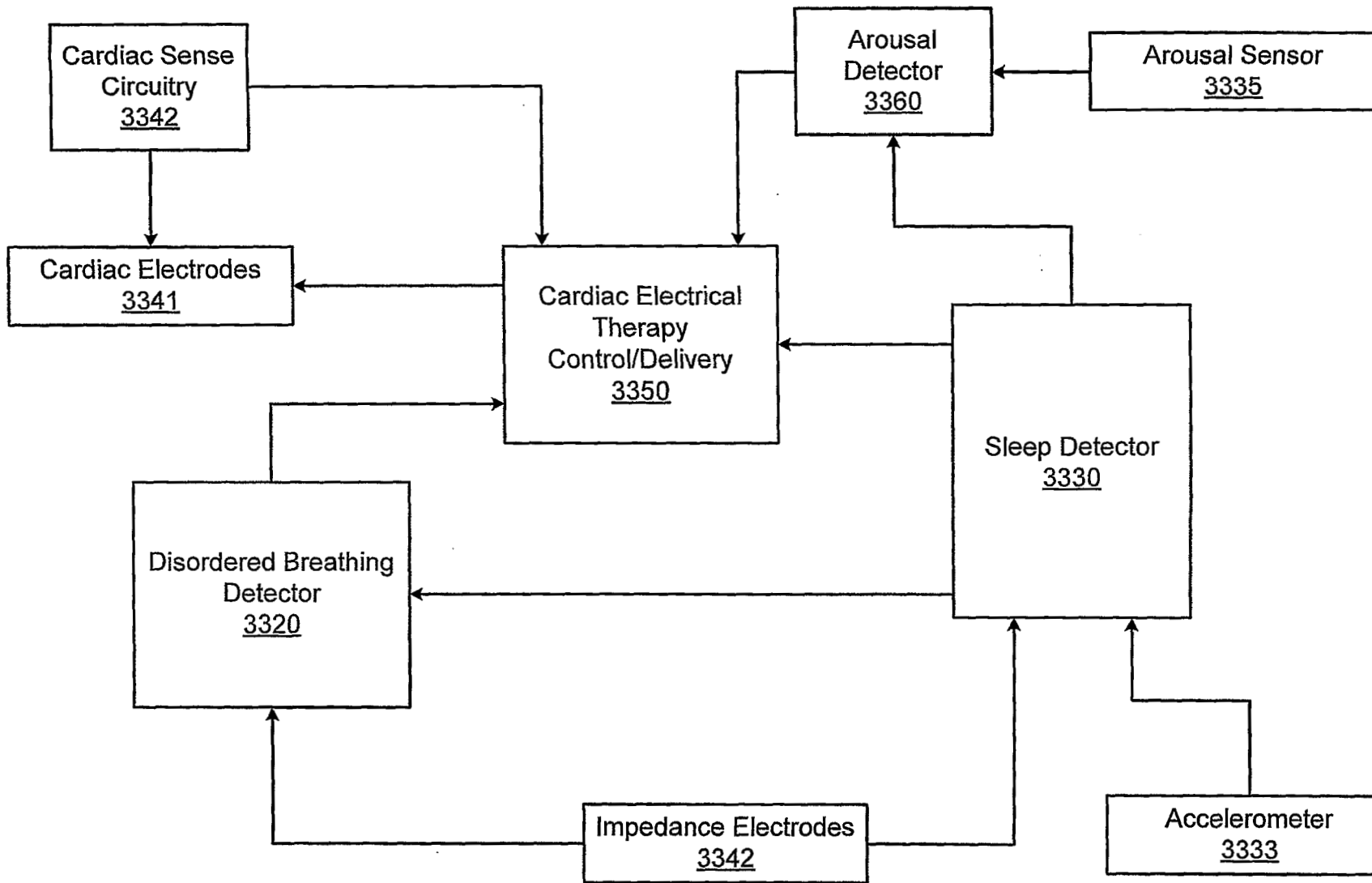
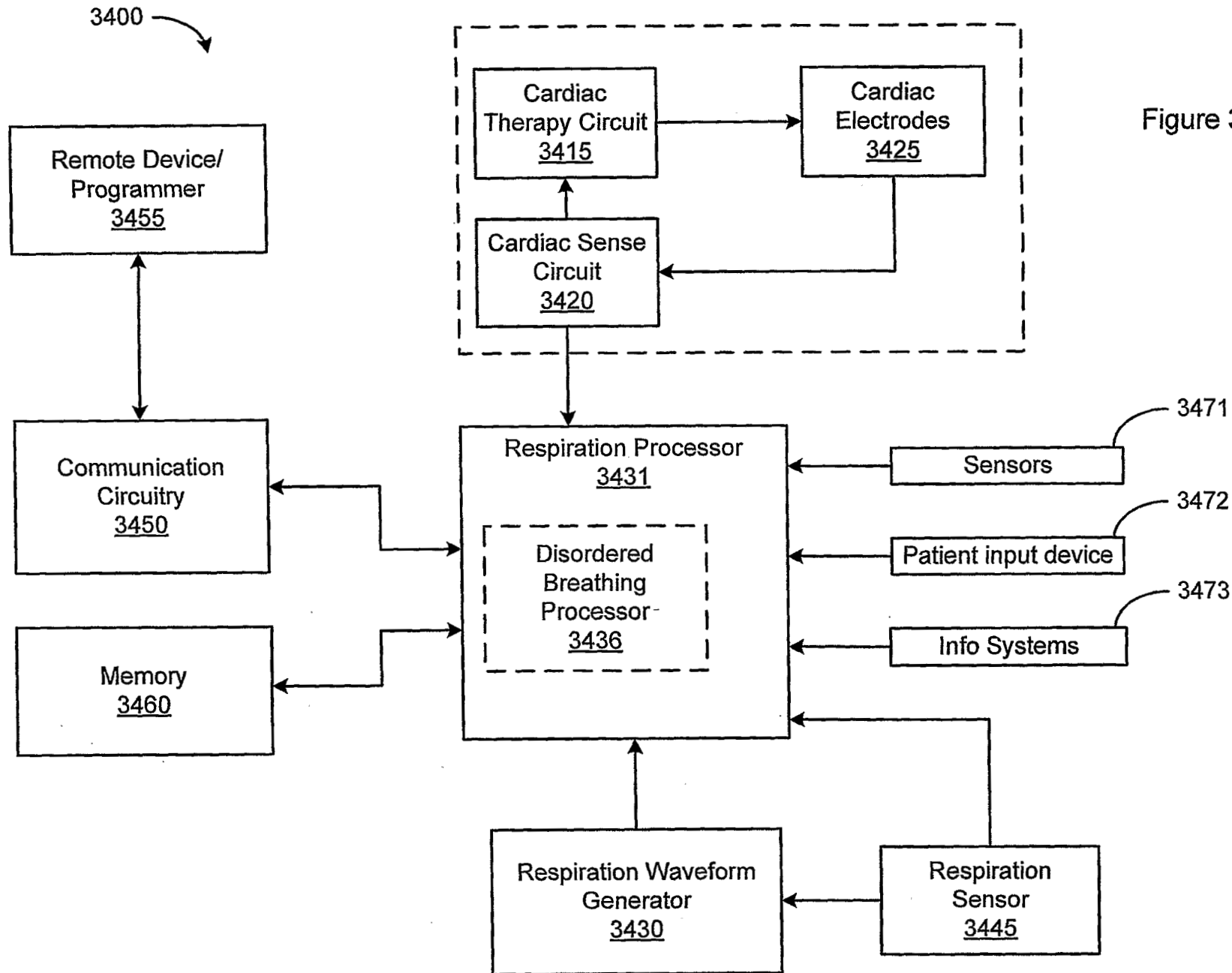


Figure 33

Figure 34



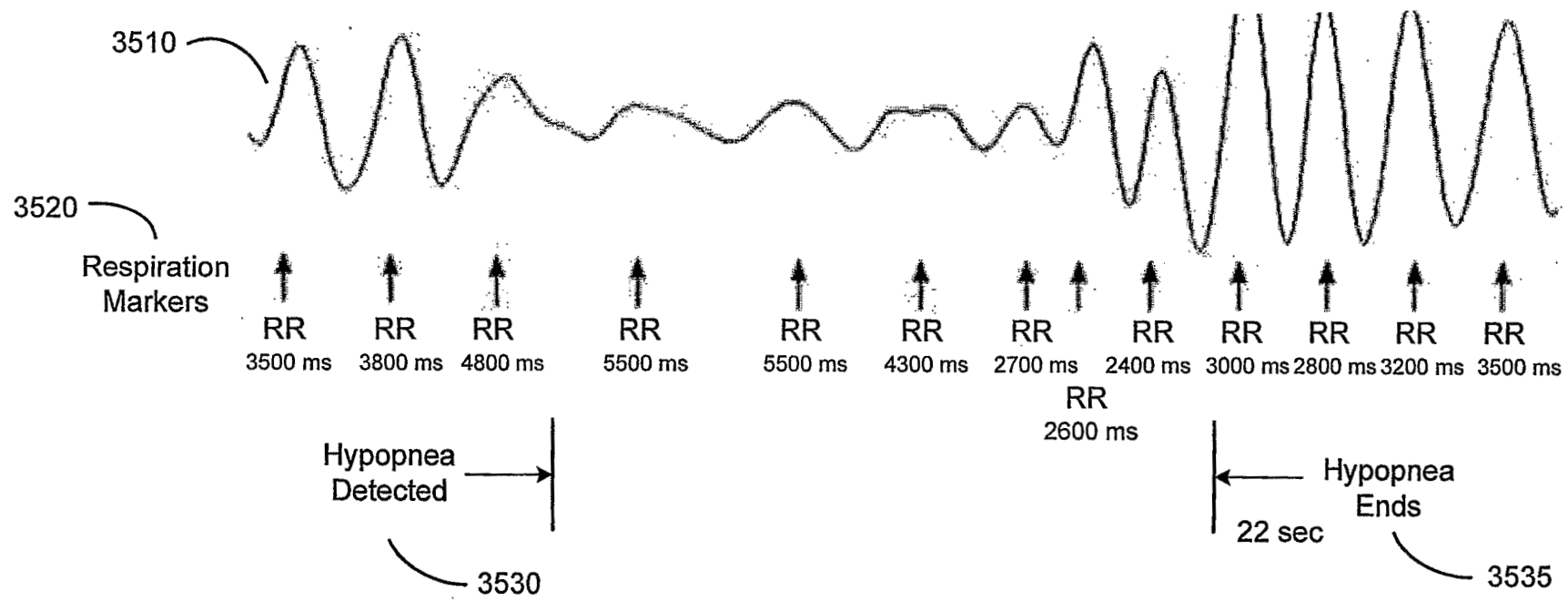


Figure 35A

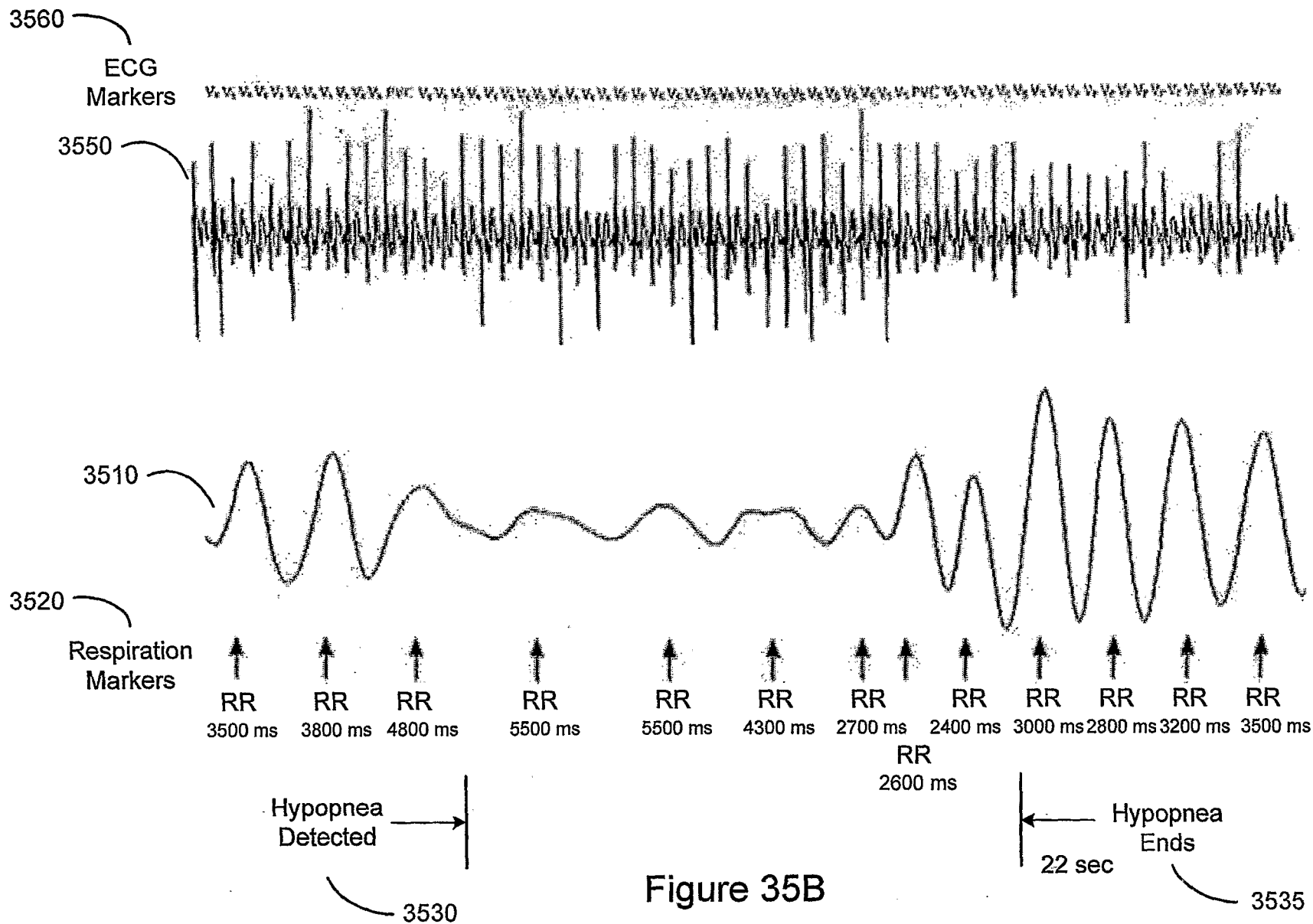


Figure 35B

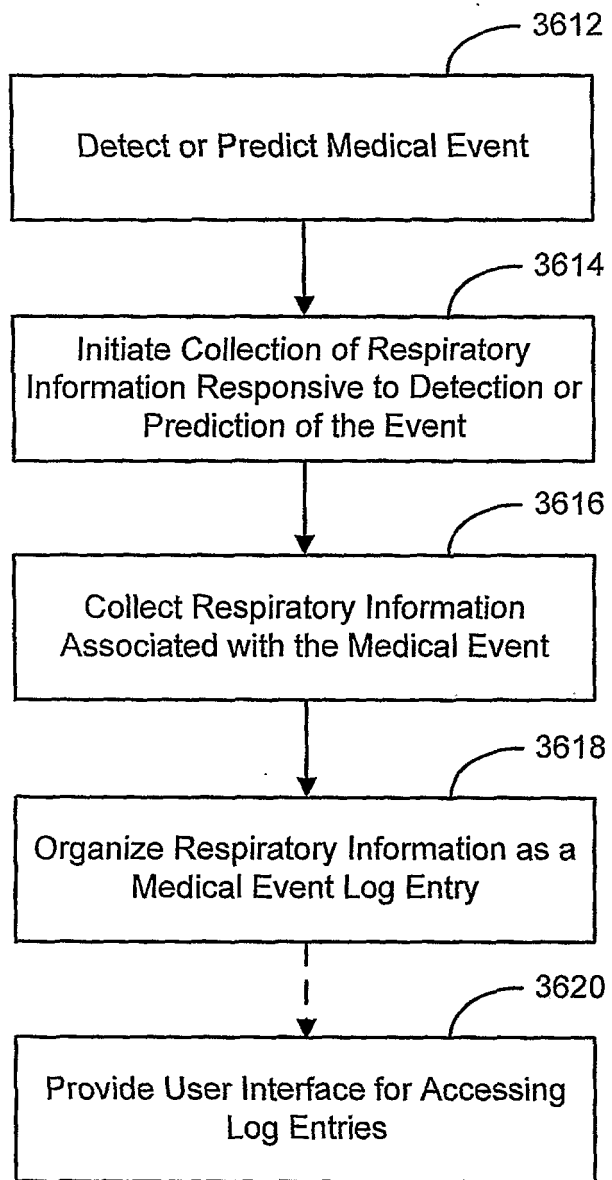


Figure 36A

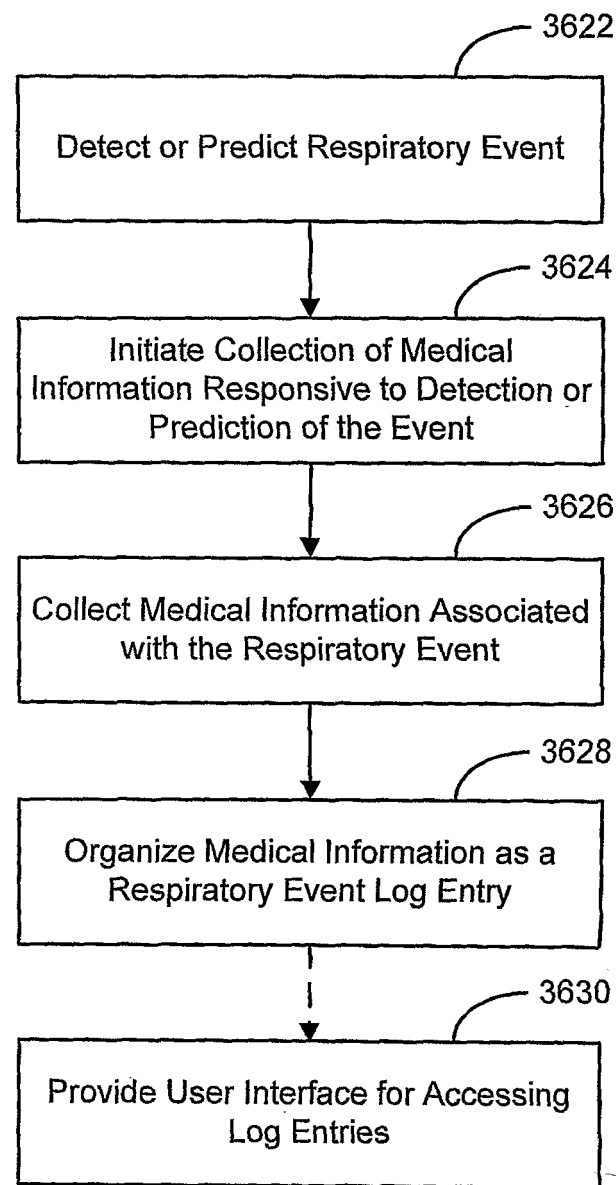


Figure 36B

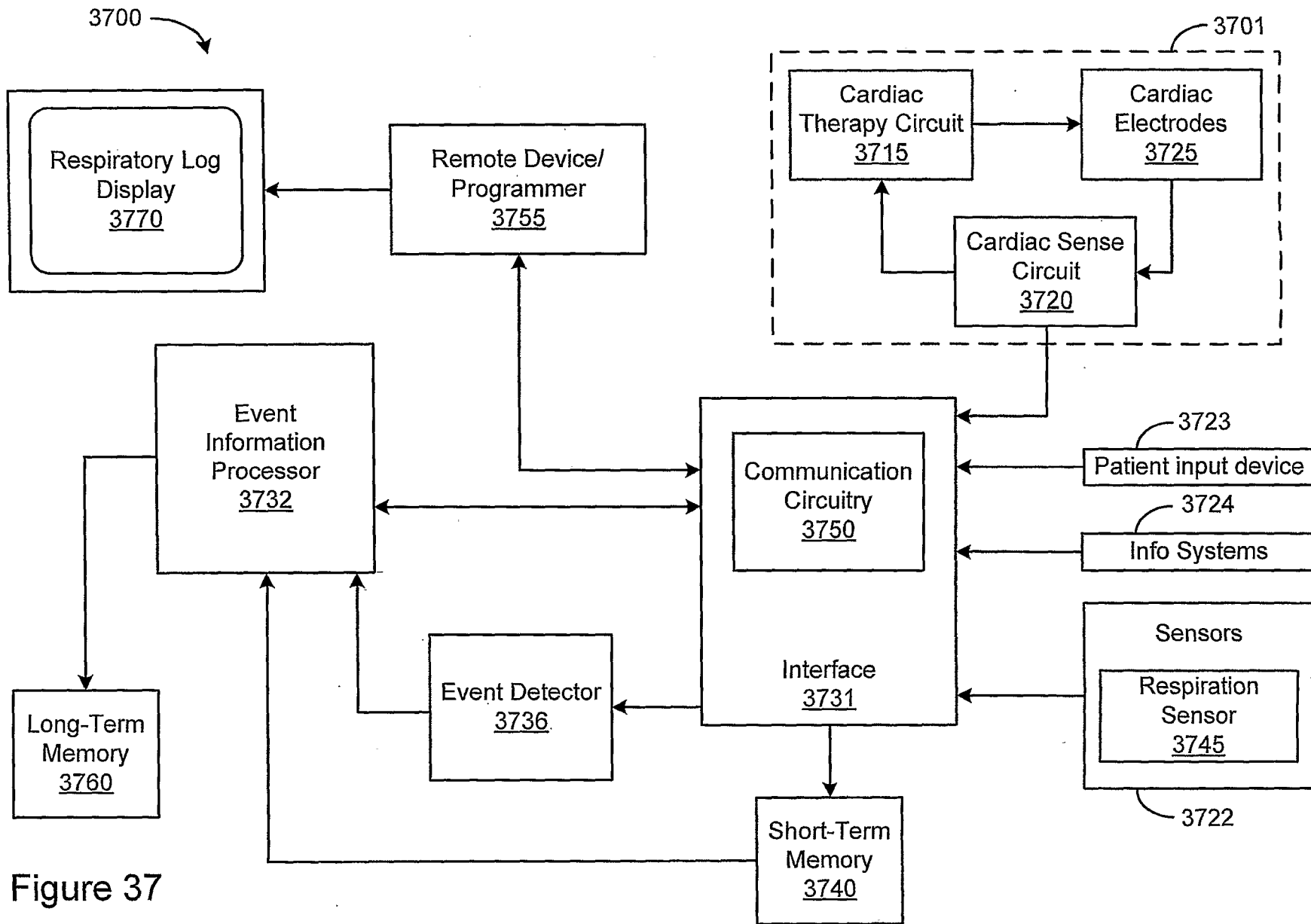


Figure 37

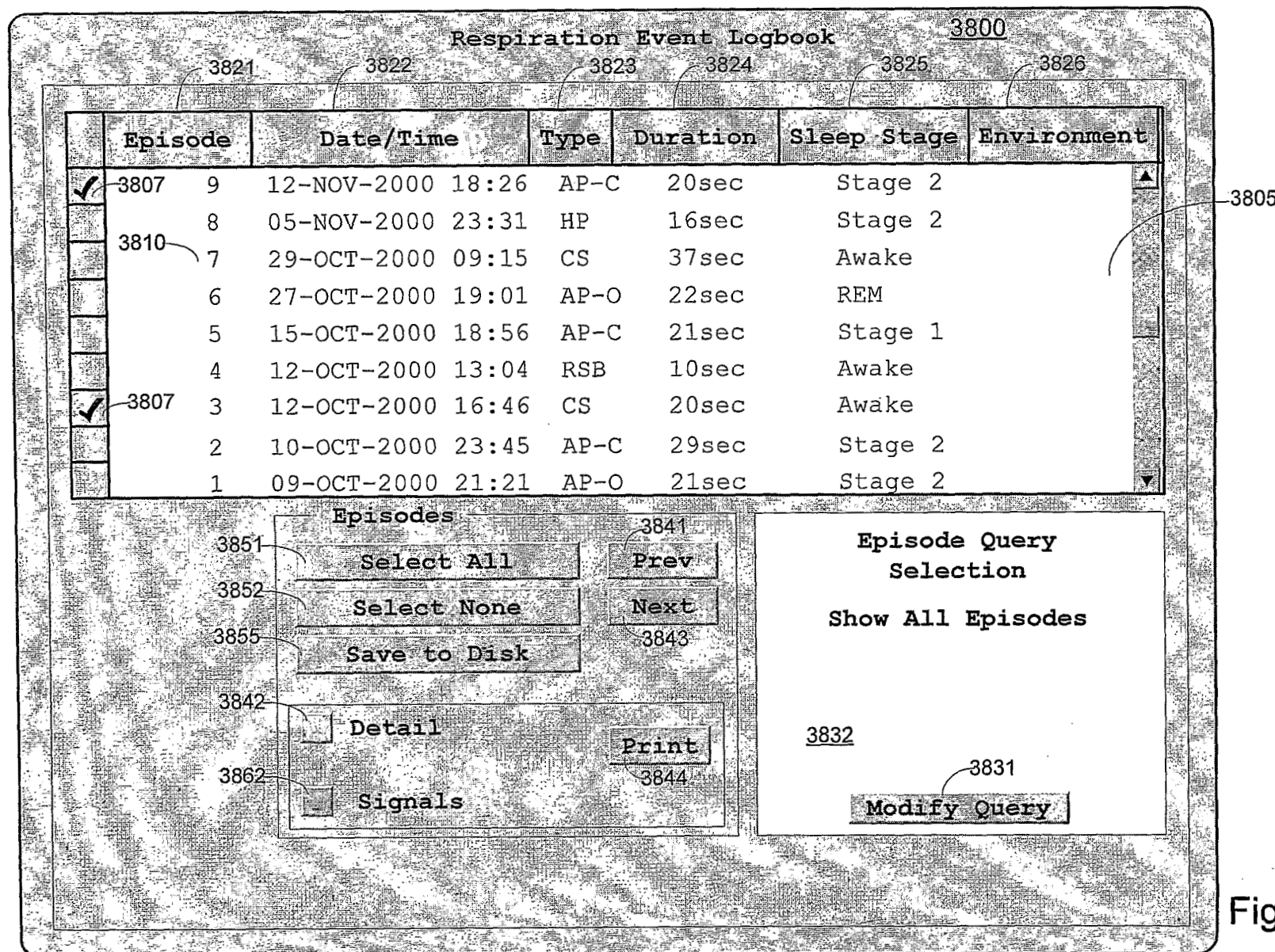


Figure 38

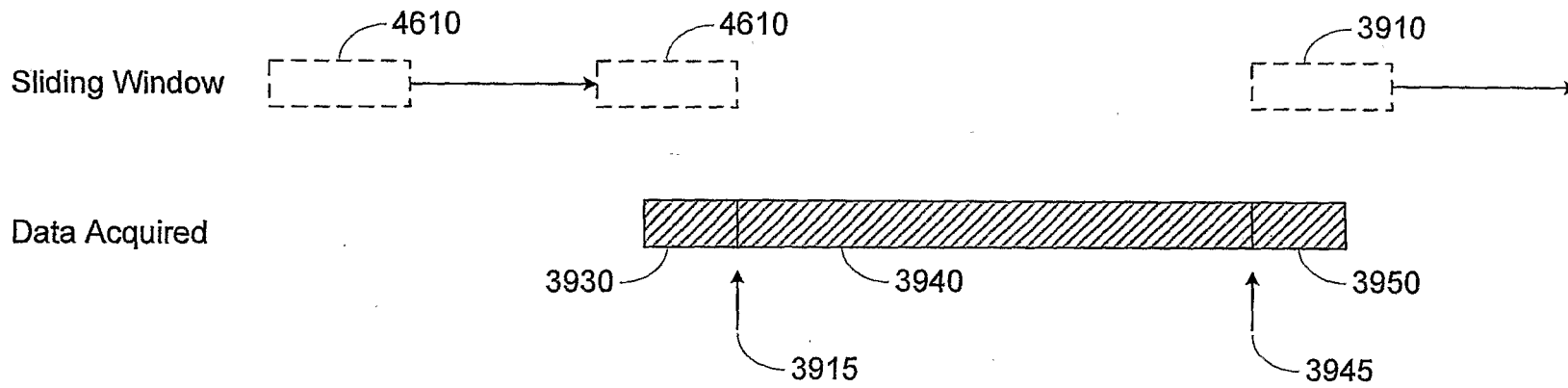


Figure 39A

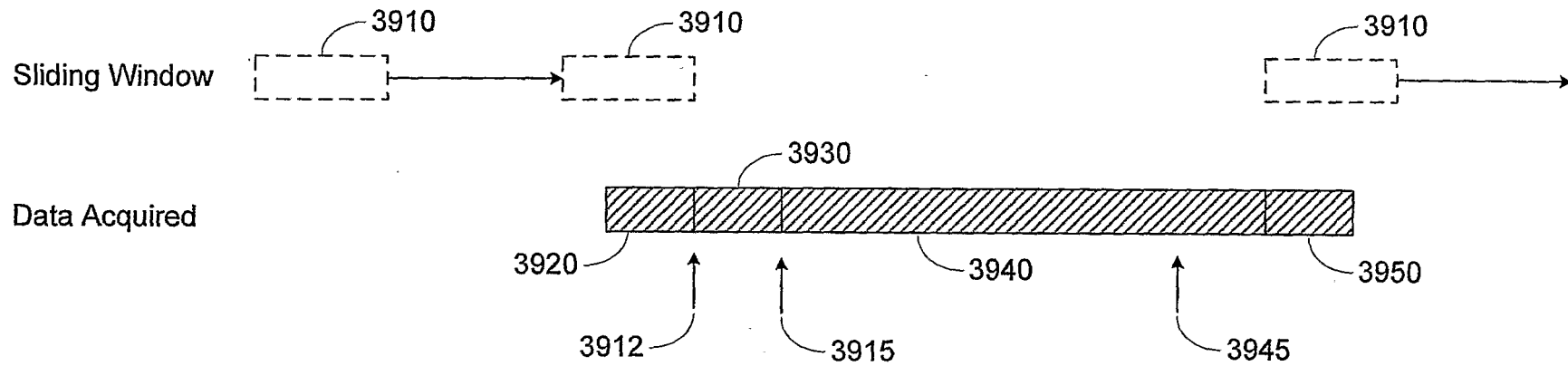


Figure 39B

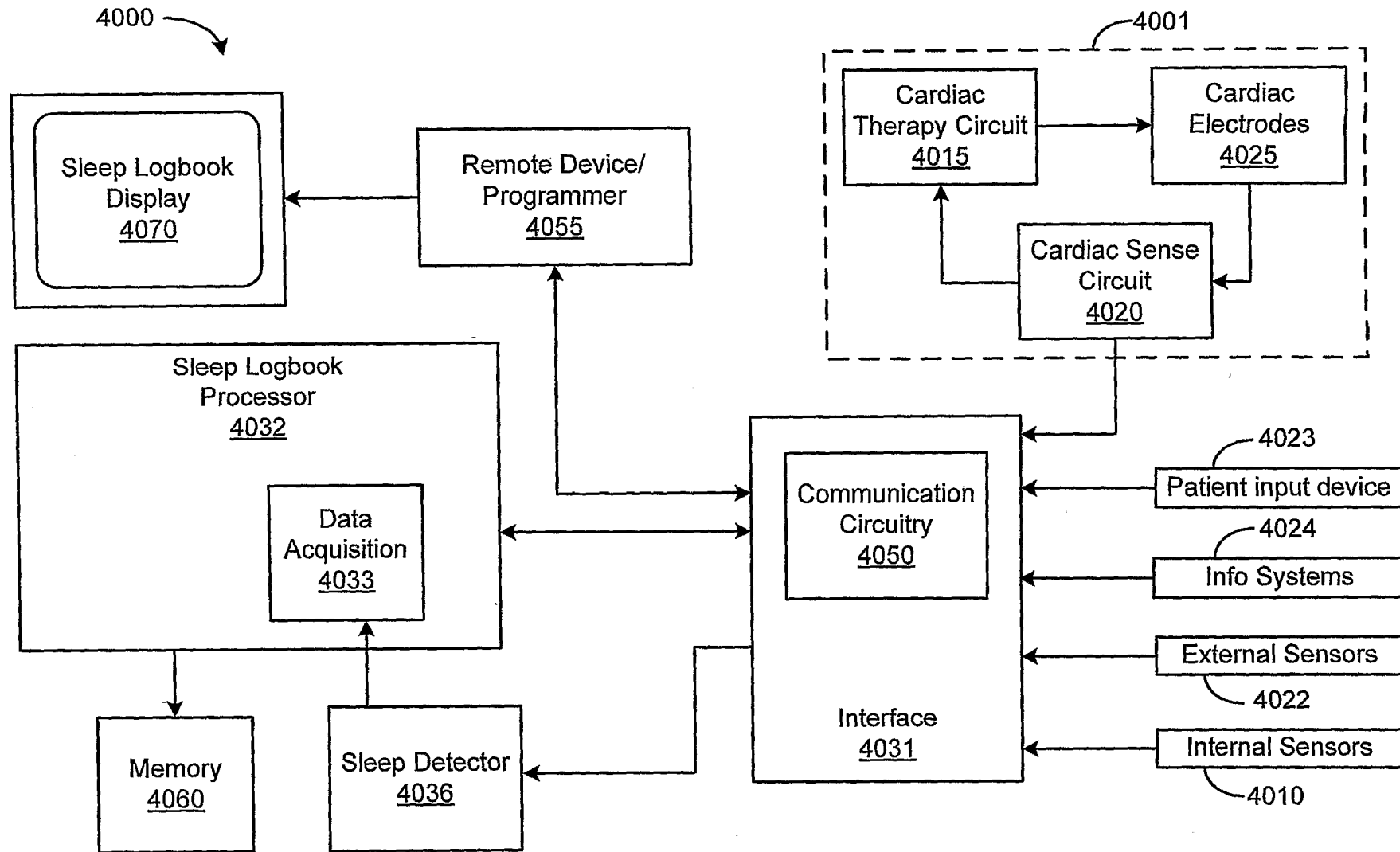


Figure 40

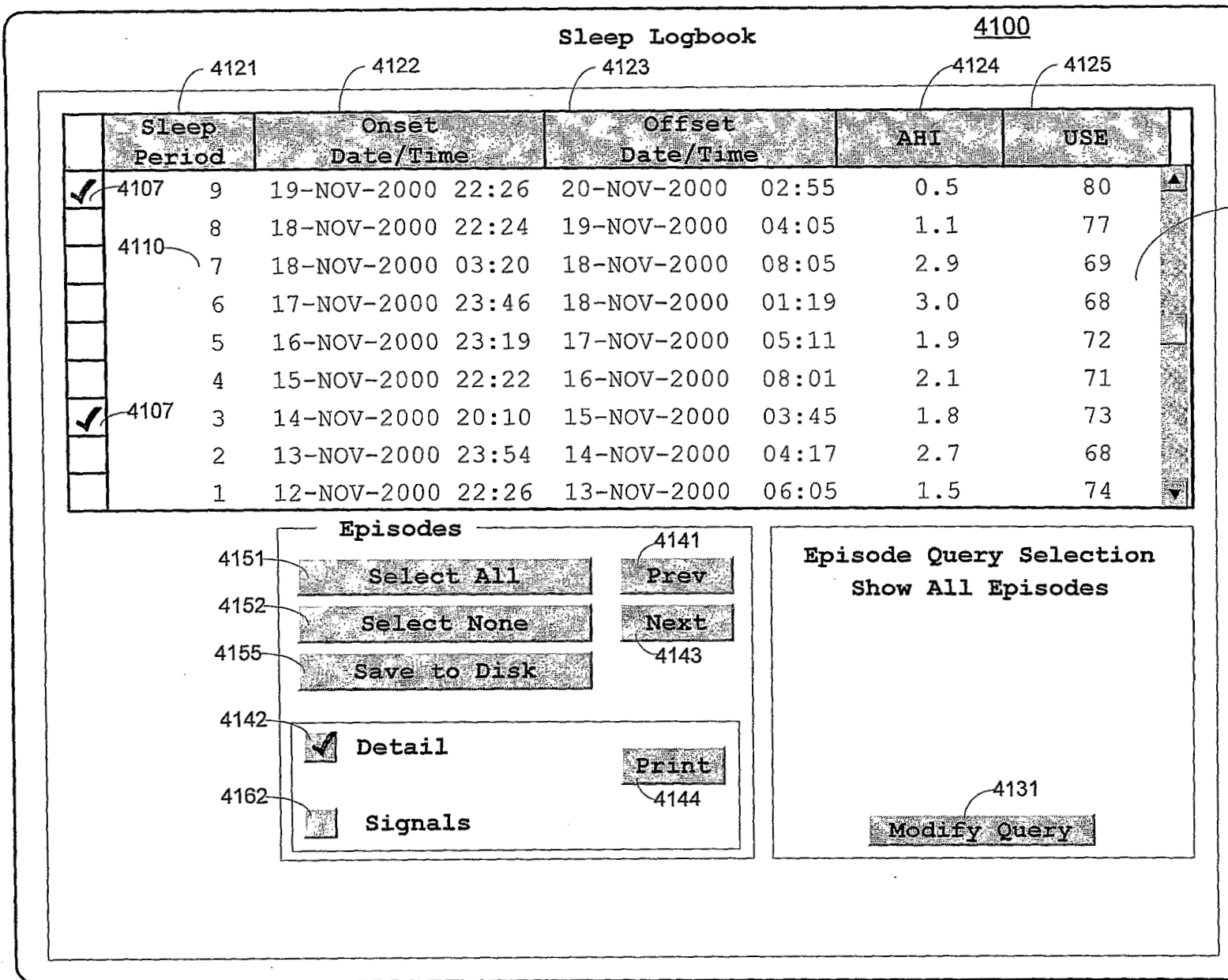


Figure 41

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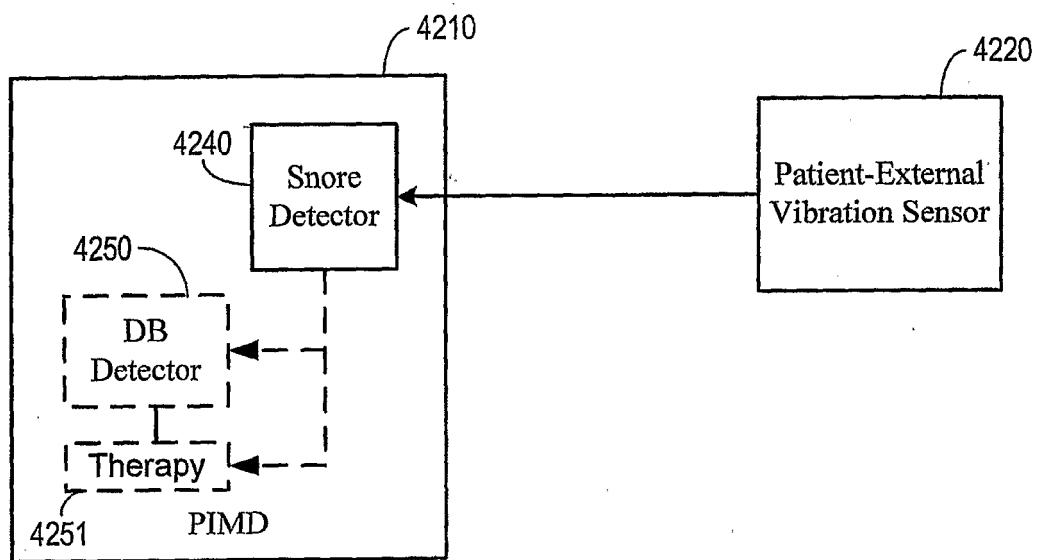


Fig. 42A

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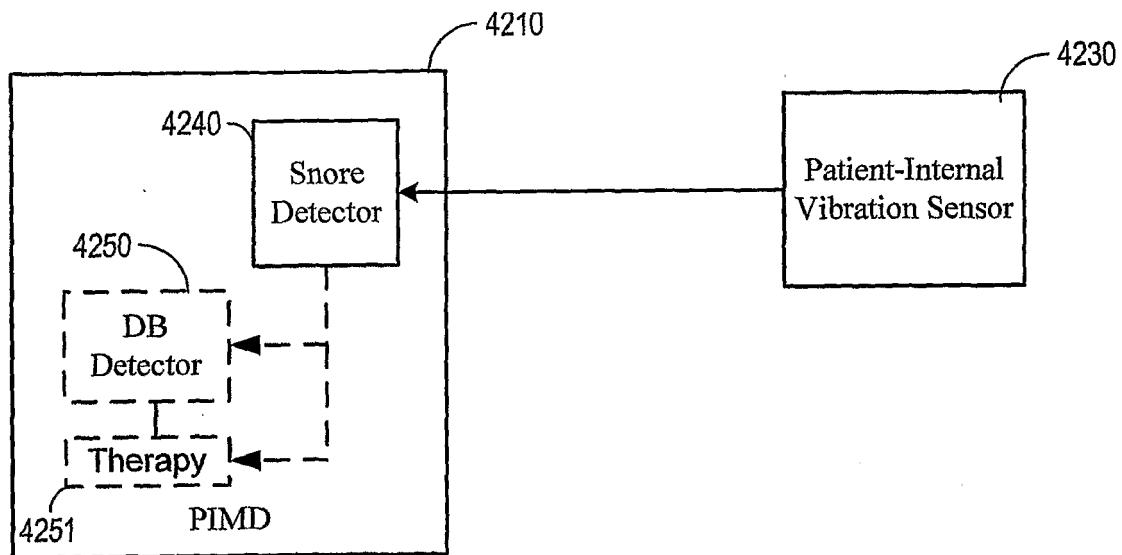


Fig. 42B

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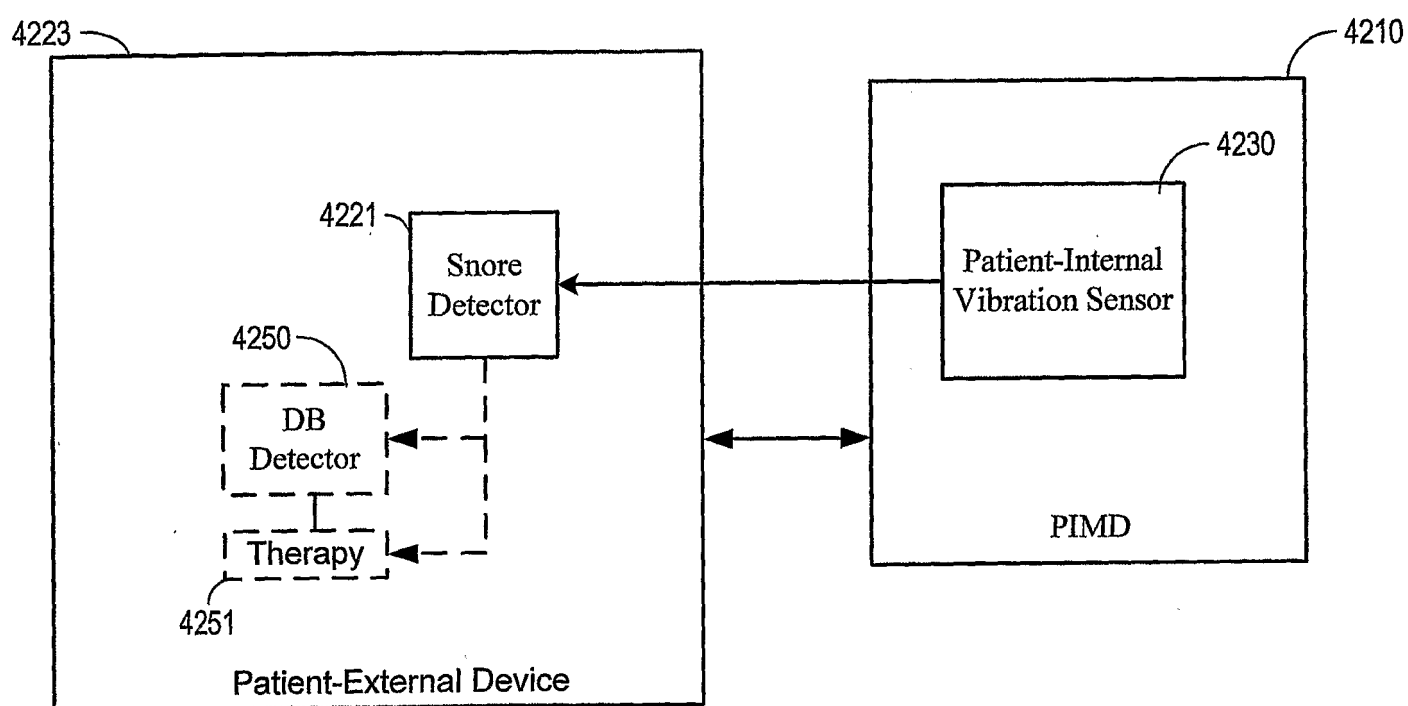


Fig. 42C

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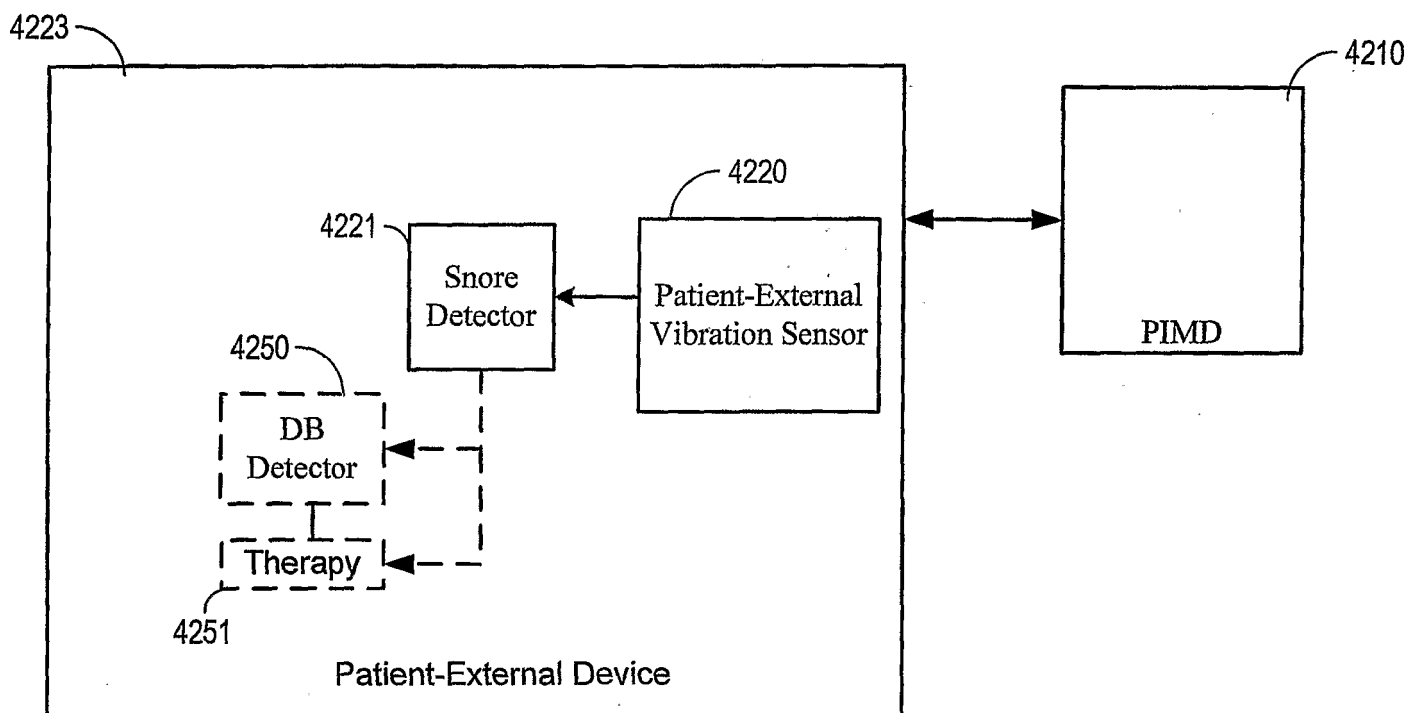


Fig. 42D

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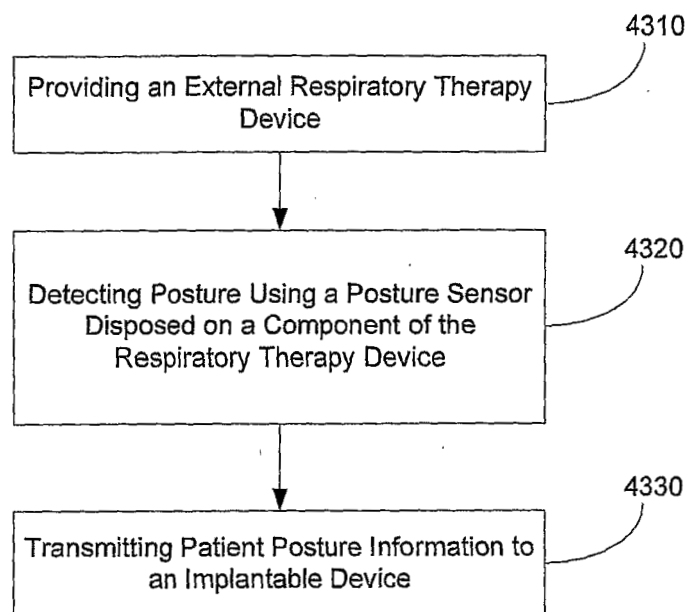


Figure 43

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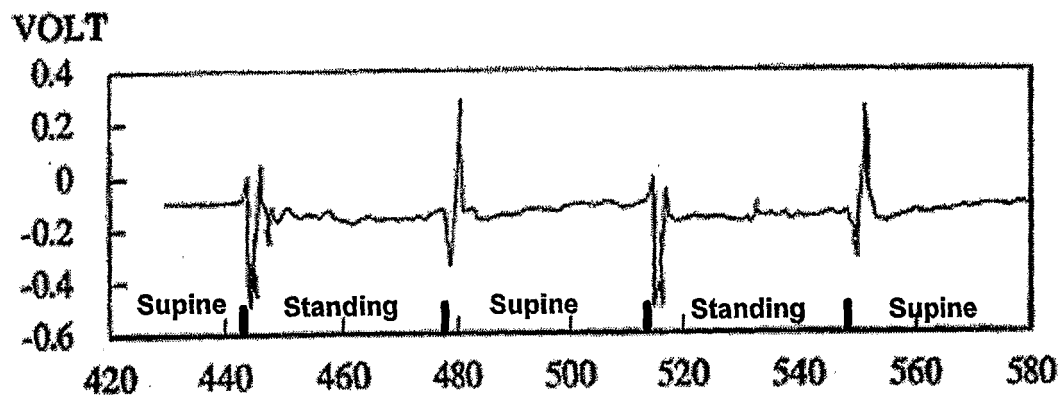
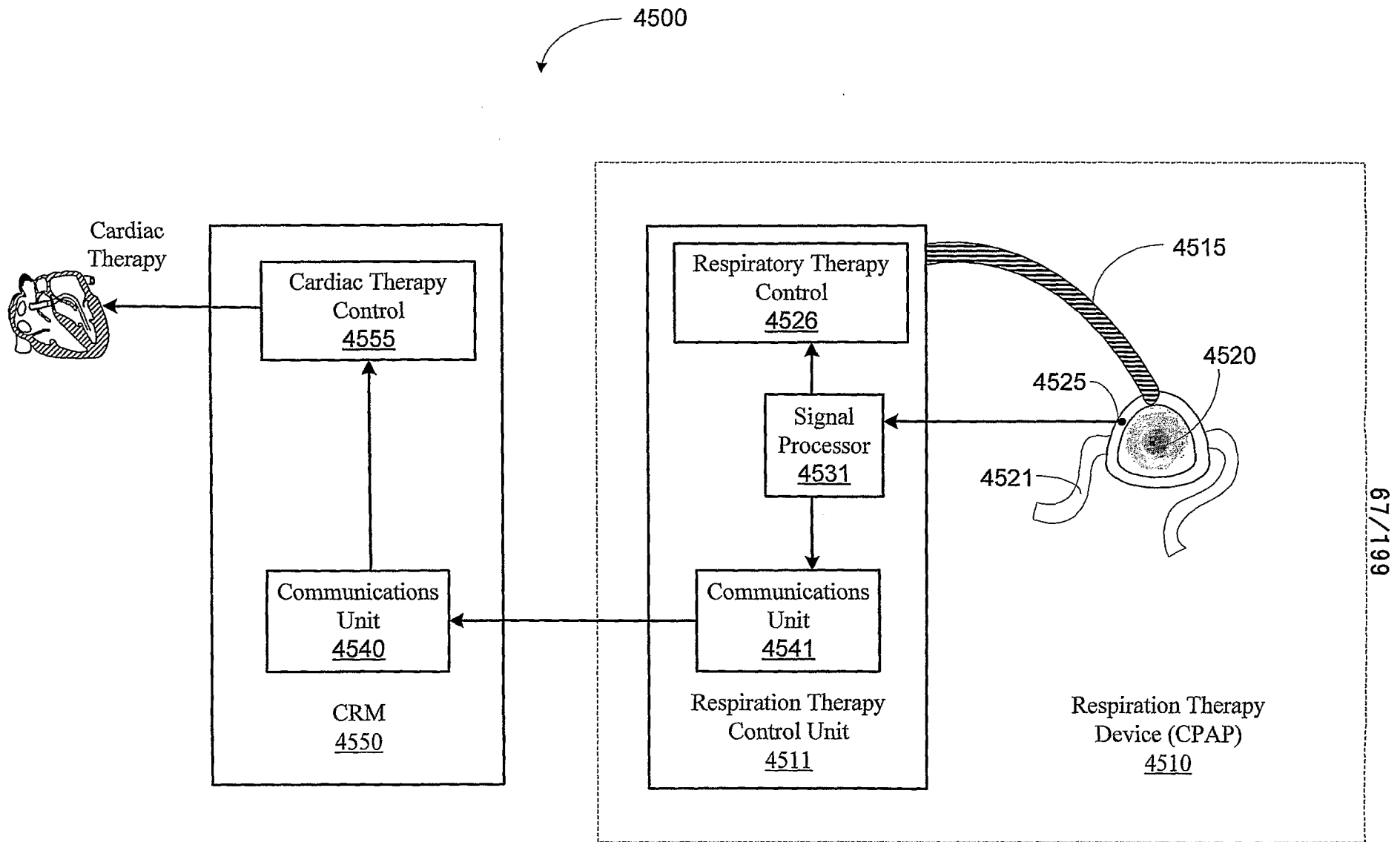


Figure 44



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Figure 45A

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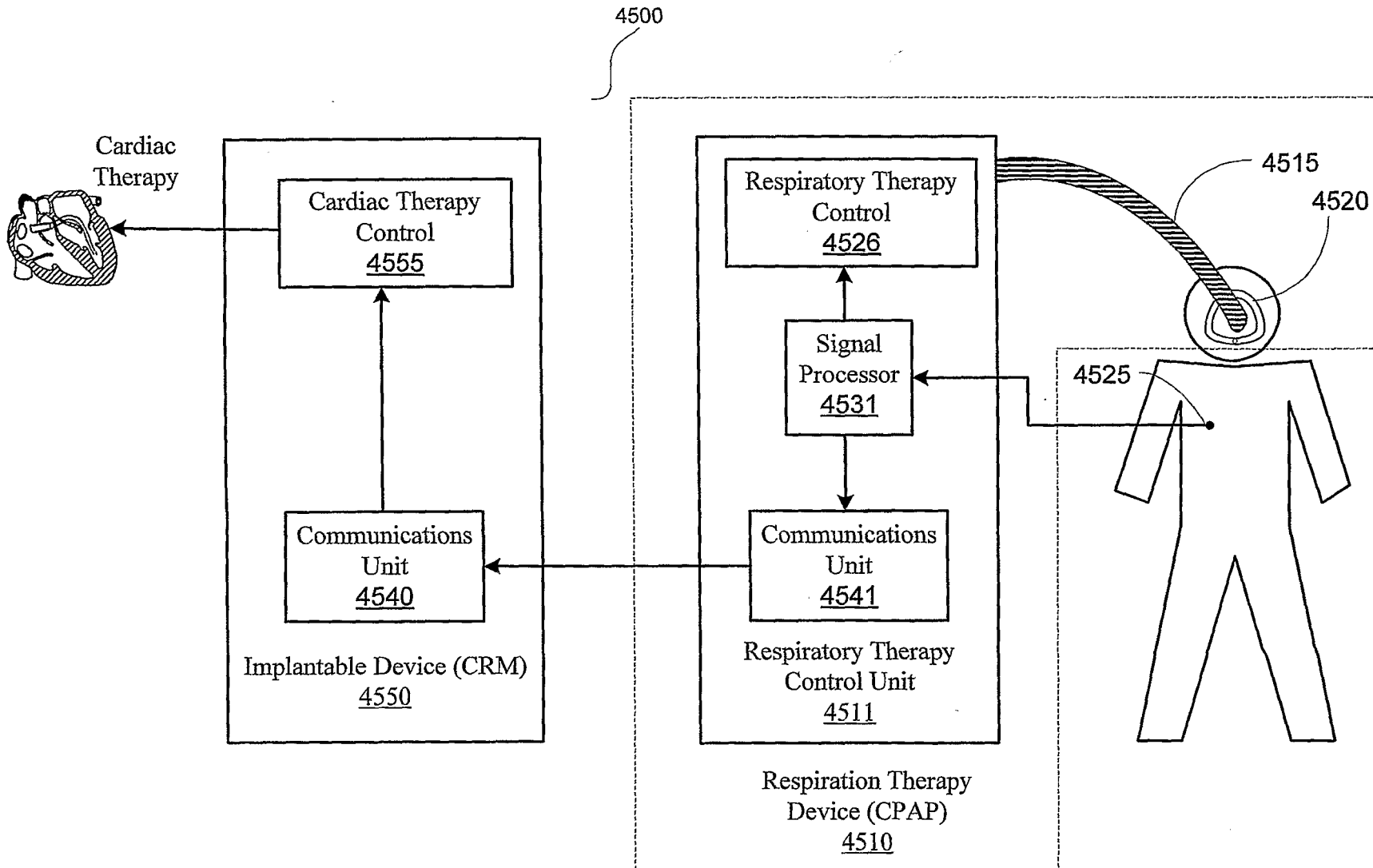


Figure 45B

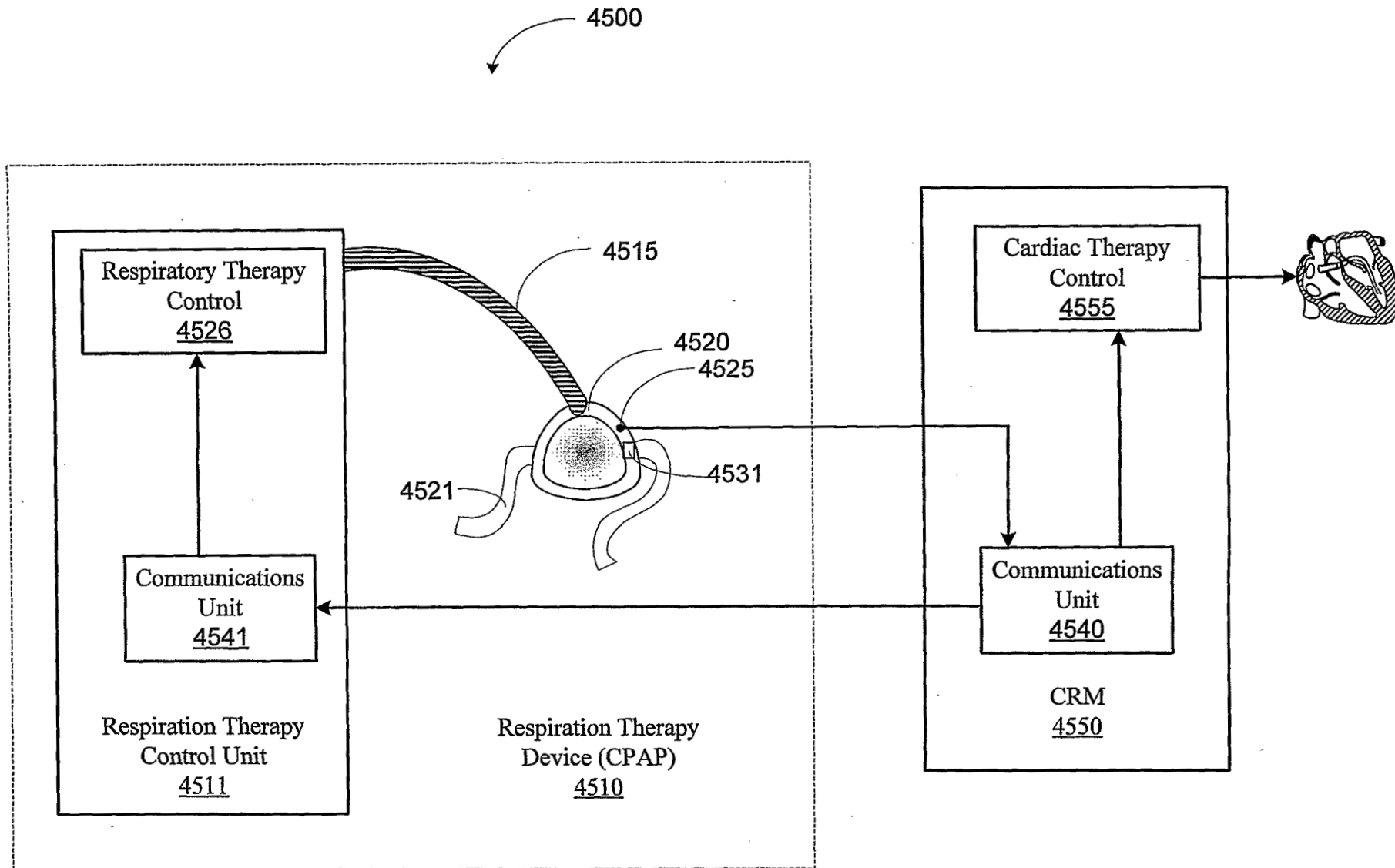


Figure 45C

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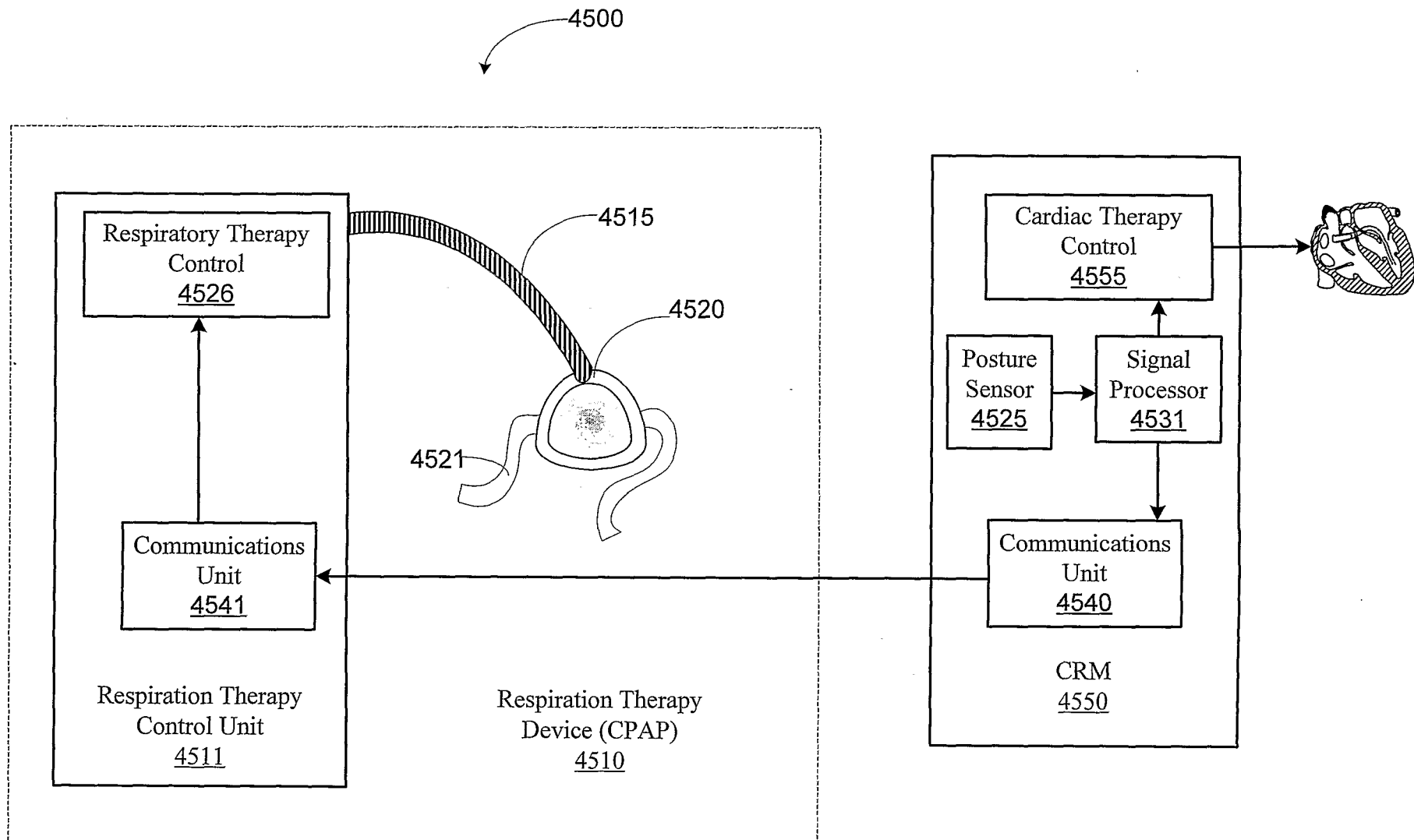


Figure 45D

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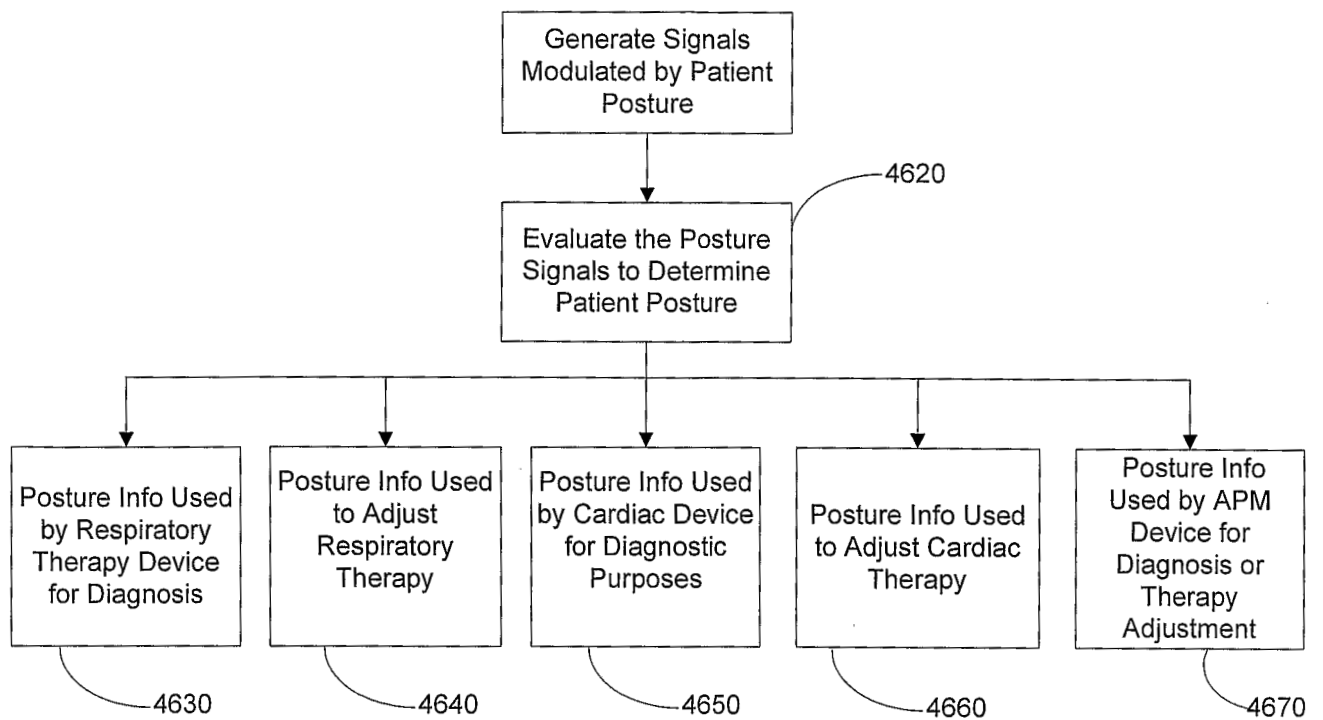


Figure 46

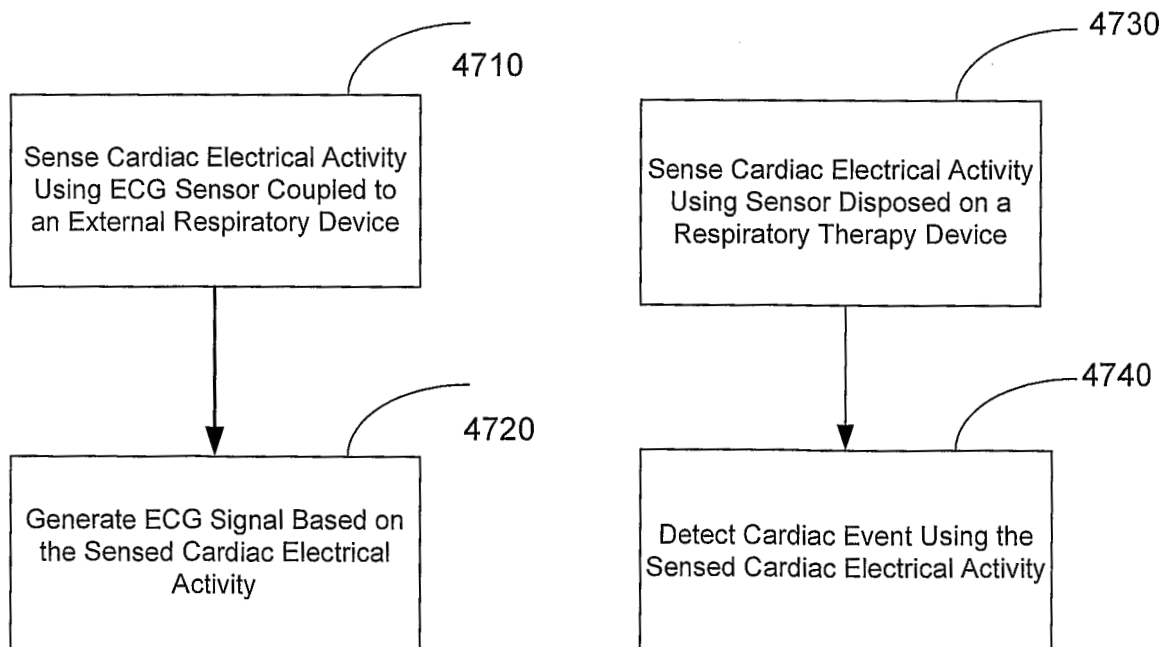


Figure 47A

Figure 47B

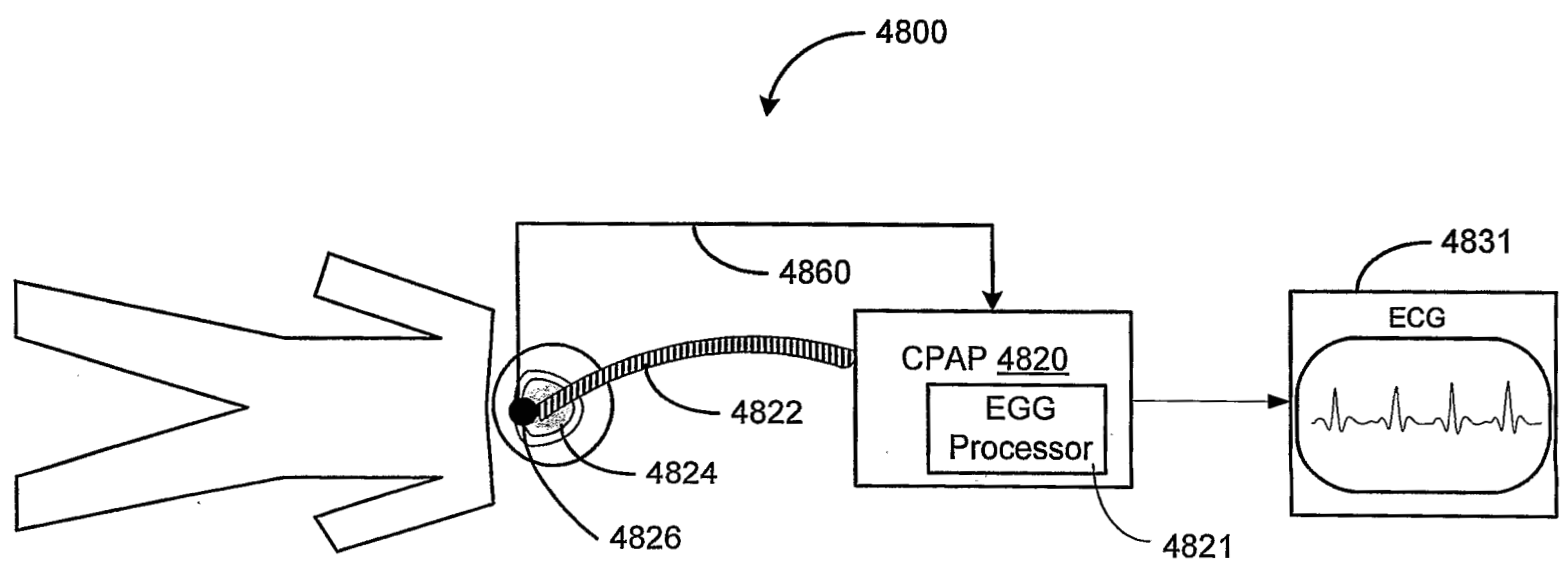


Figure 48A

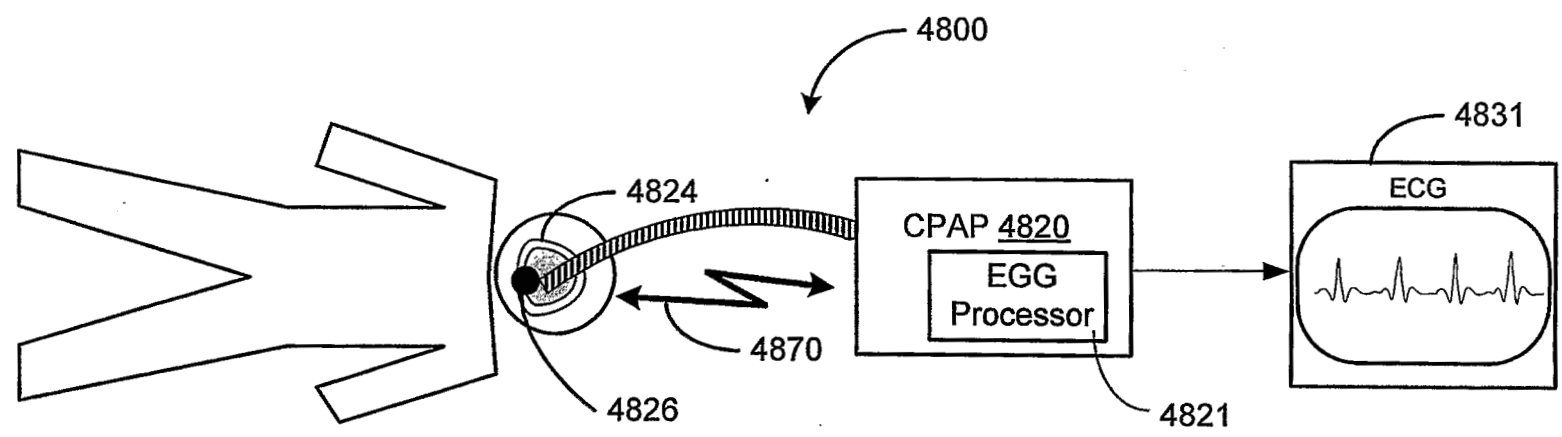


Figure 48B

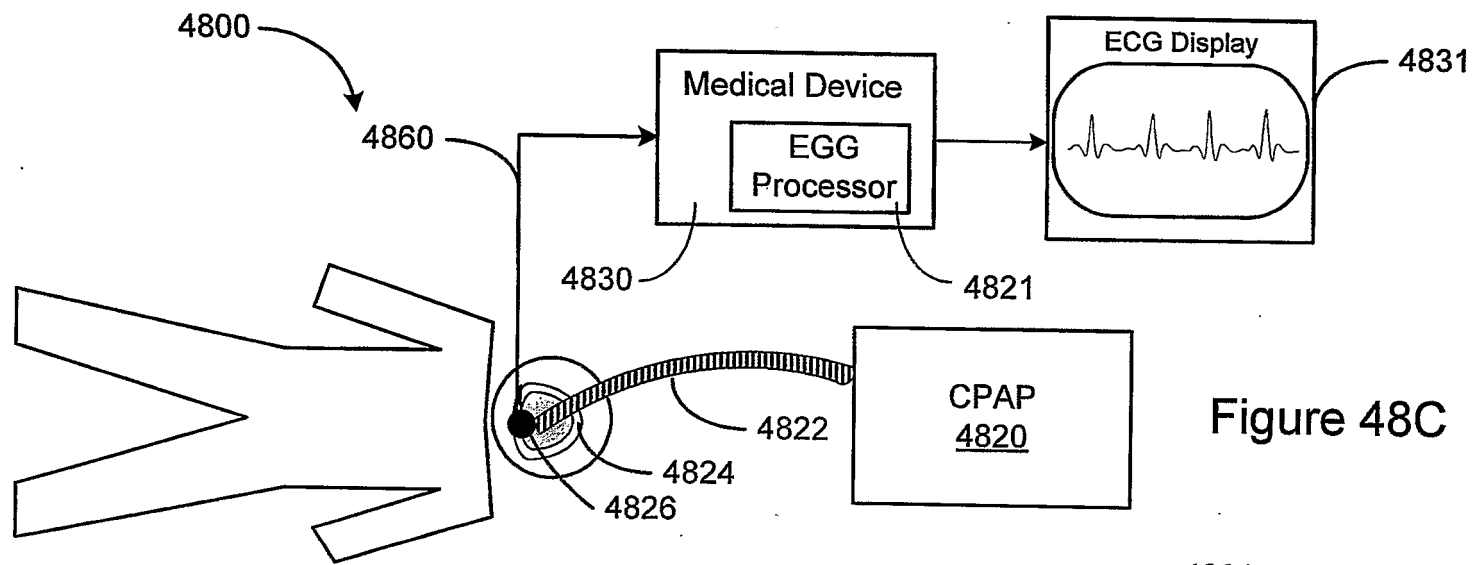


Figure 48C

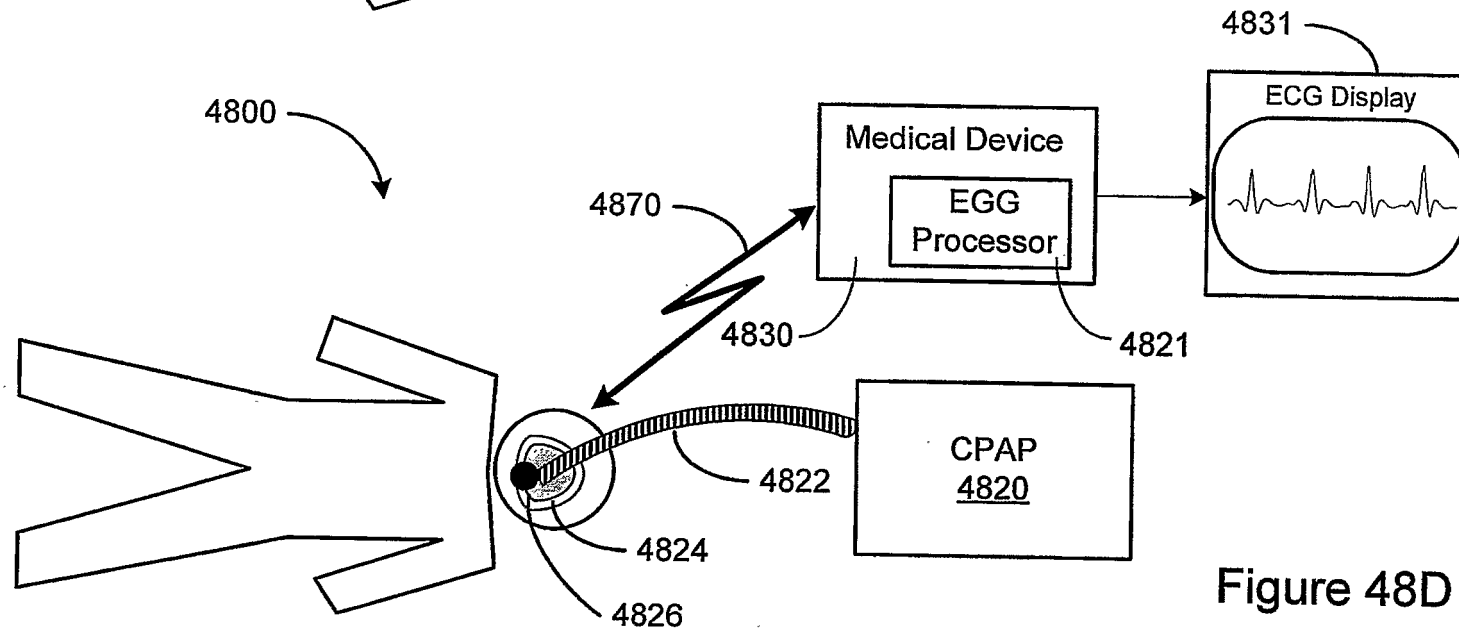


Figure 48D

Figure 48E

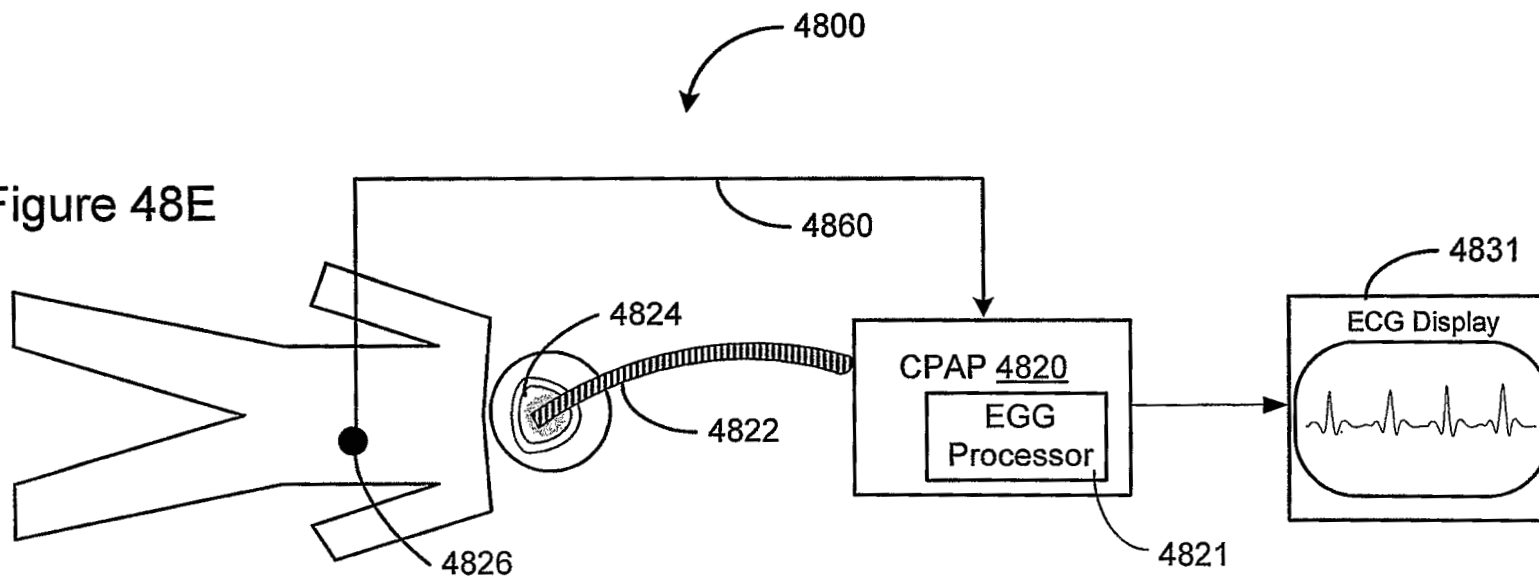
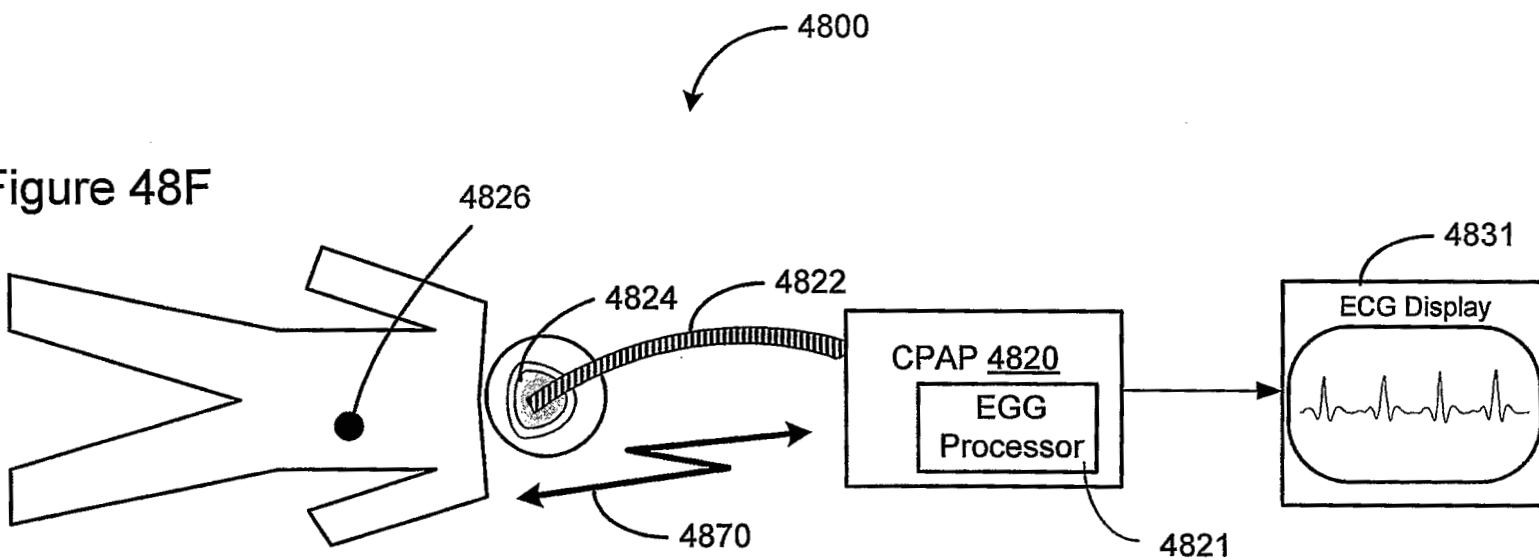


Figure 48F



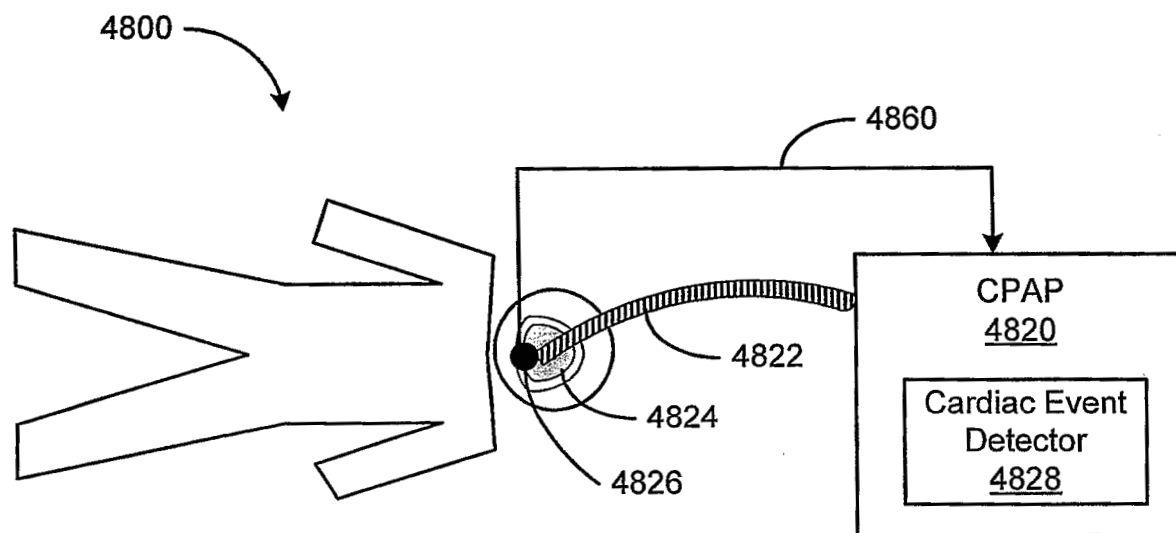


Figure 48G

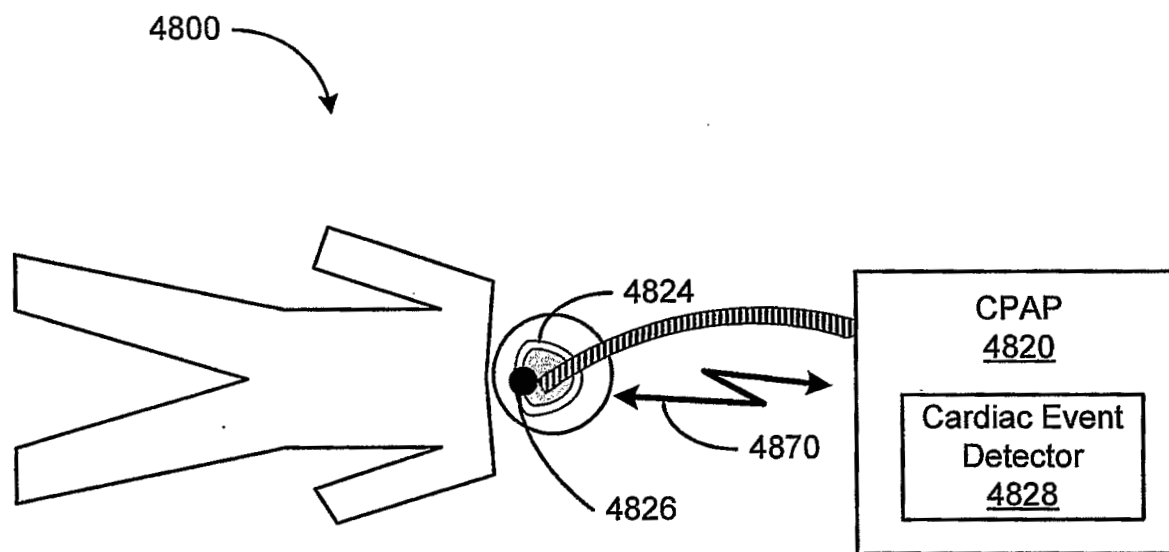


Figure 48H

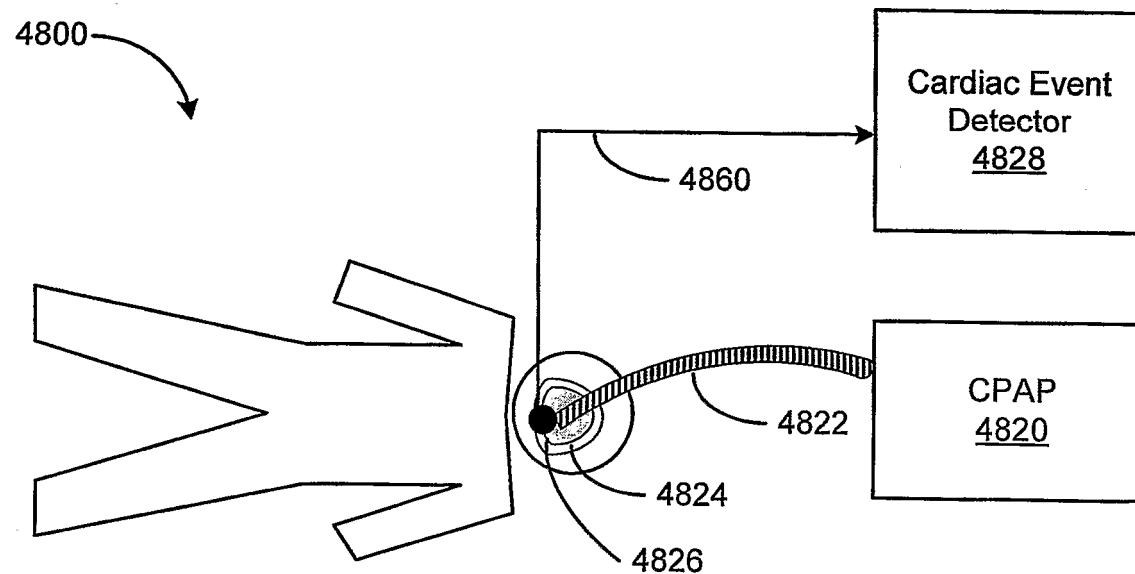


Figure 48I

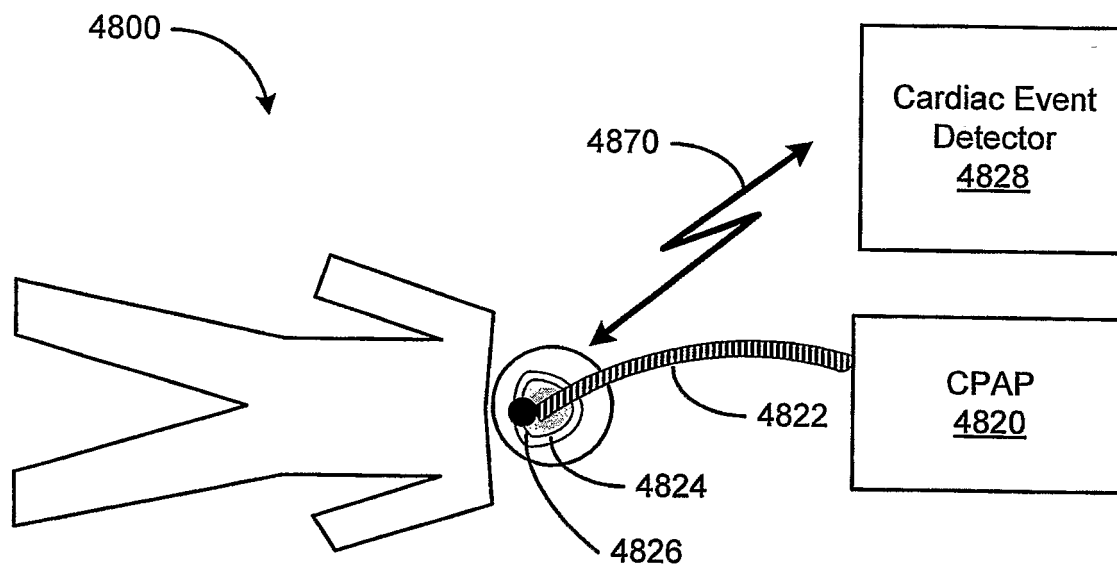
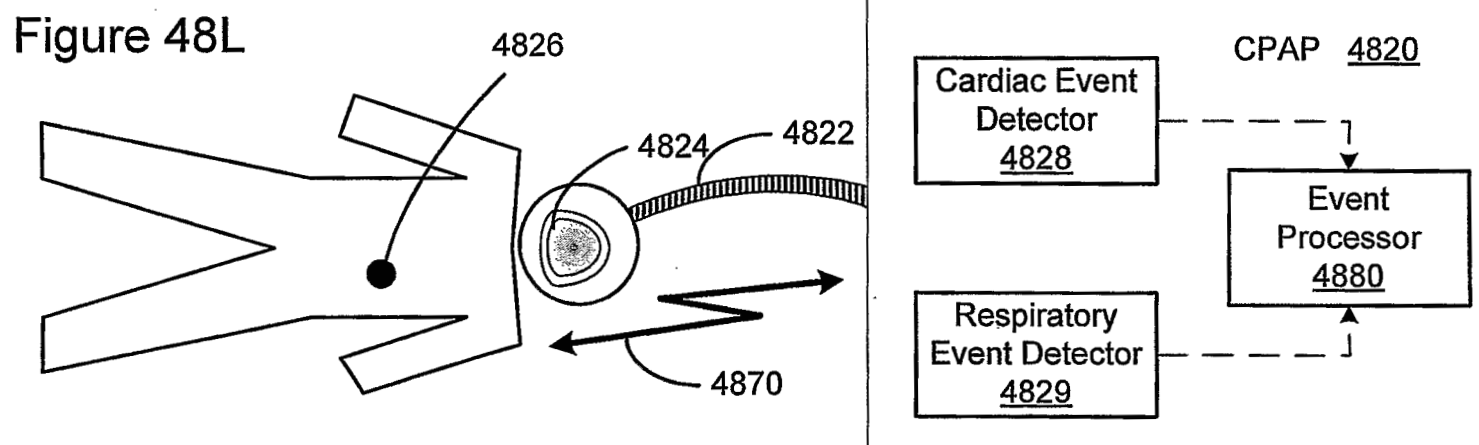
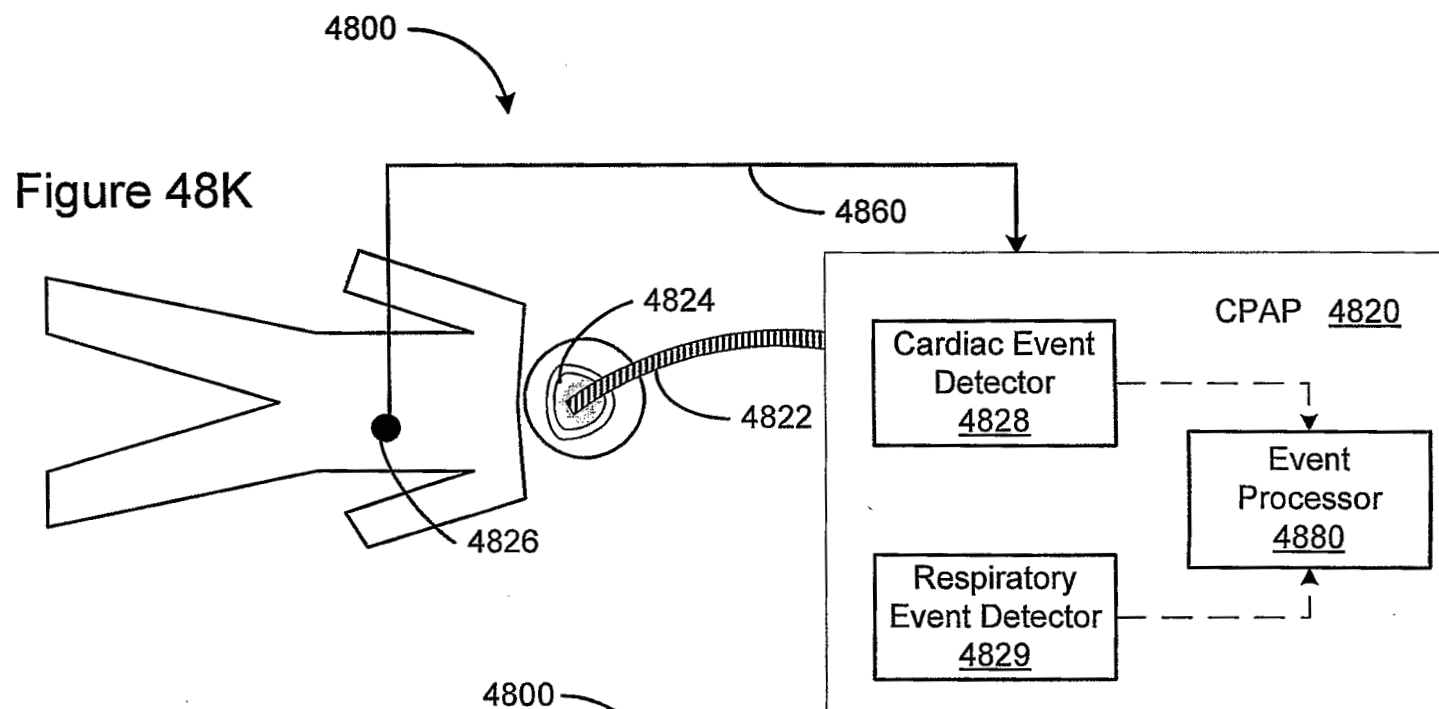


Figure 48J



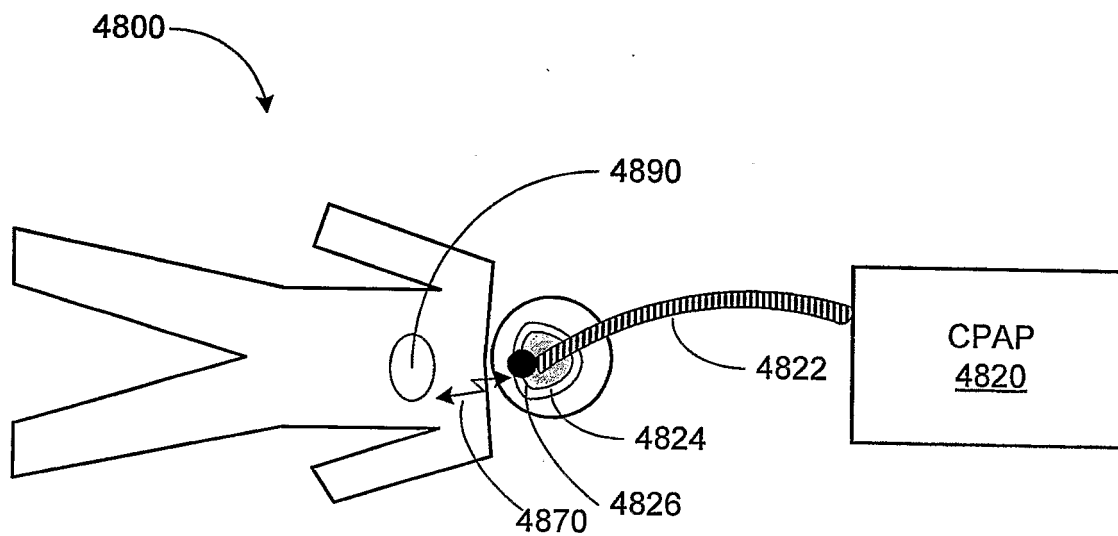


Figure 48M

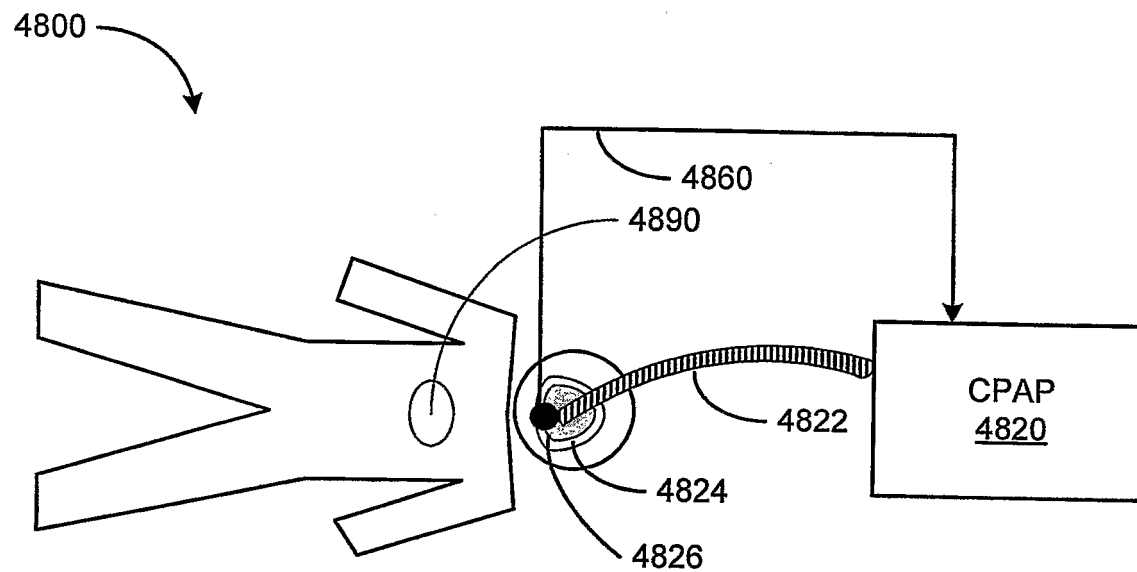


Figure 48N

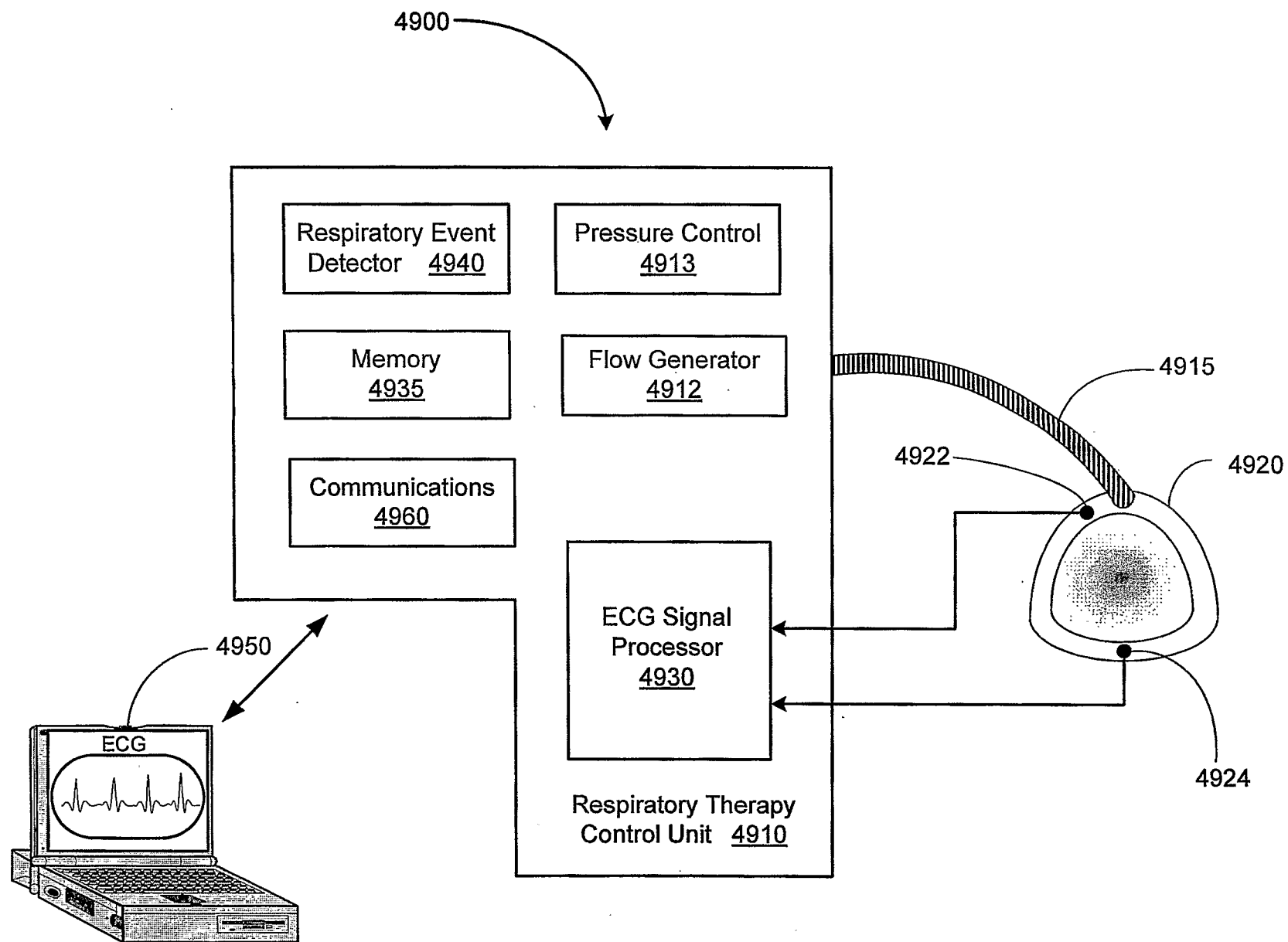


Figure 49A

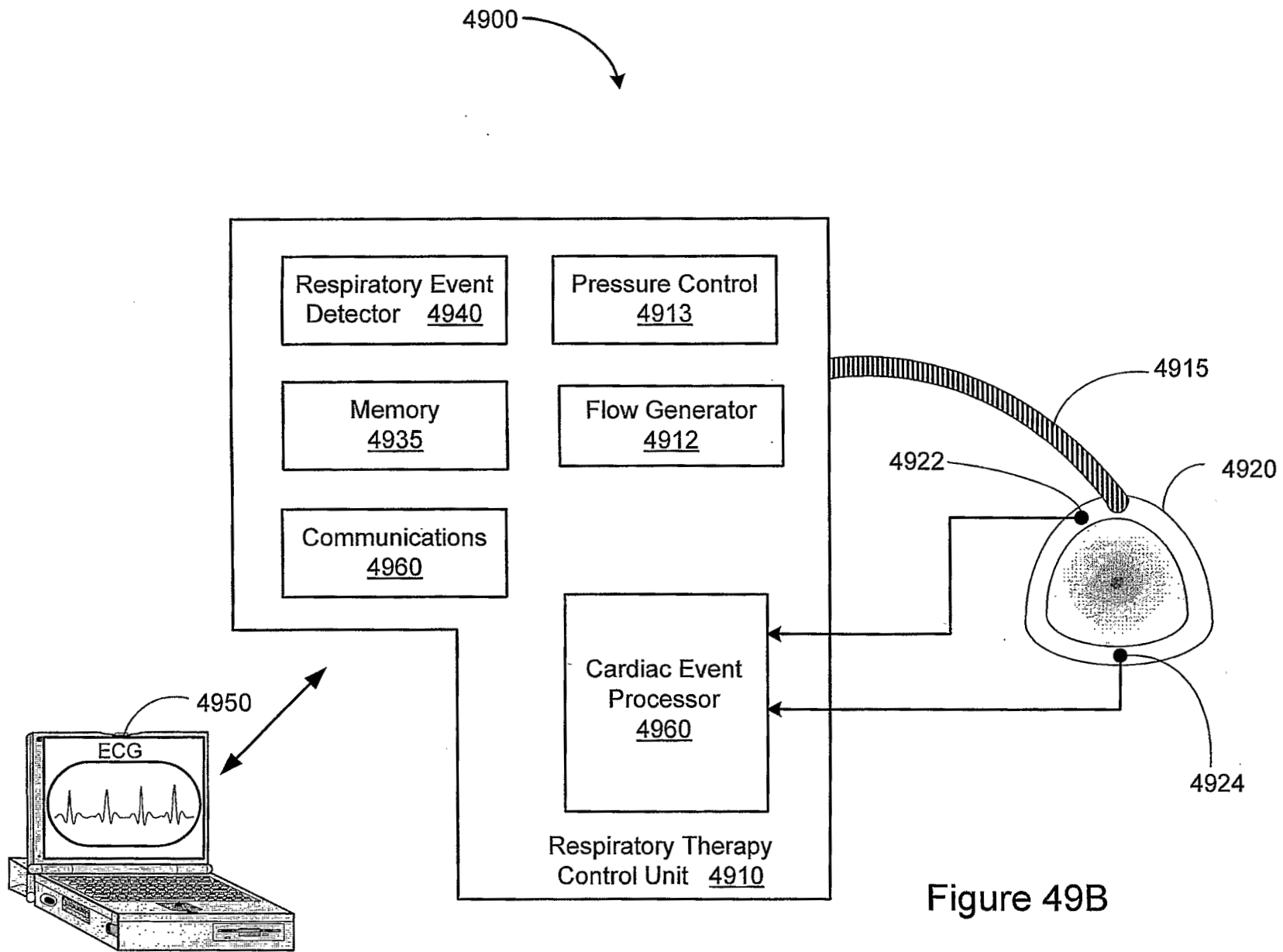


Figure 49B

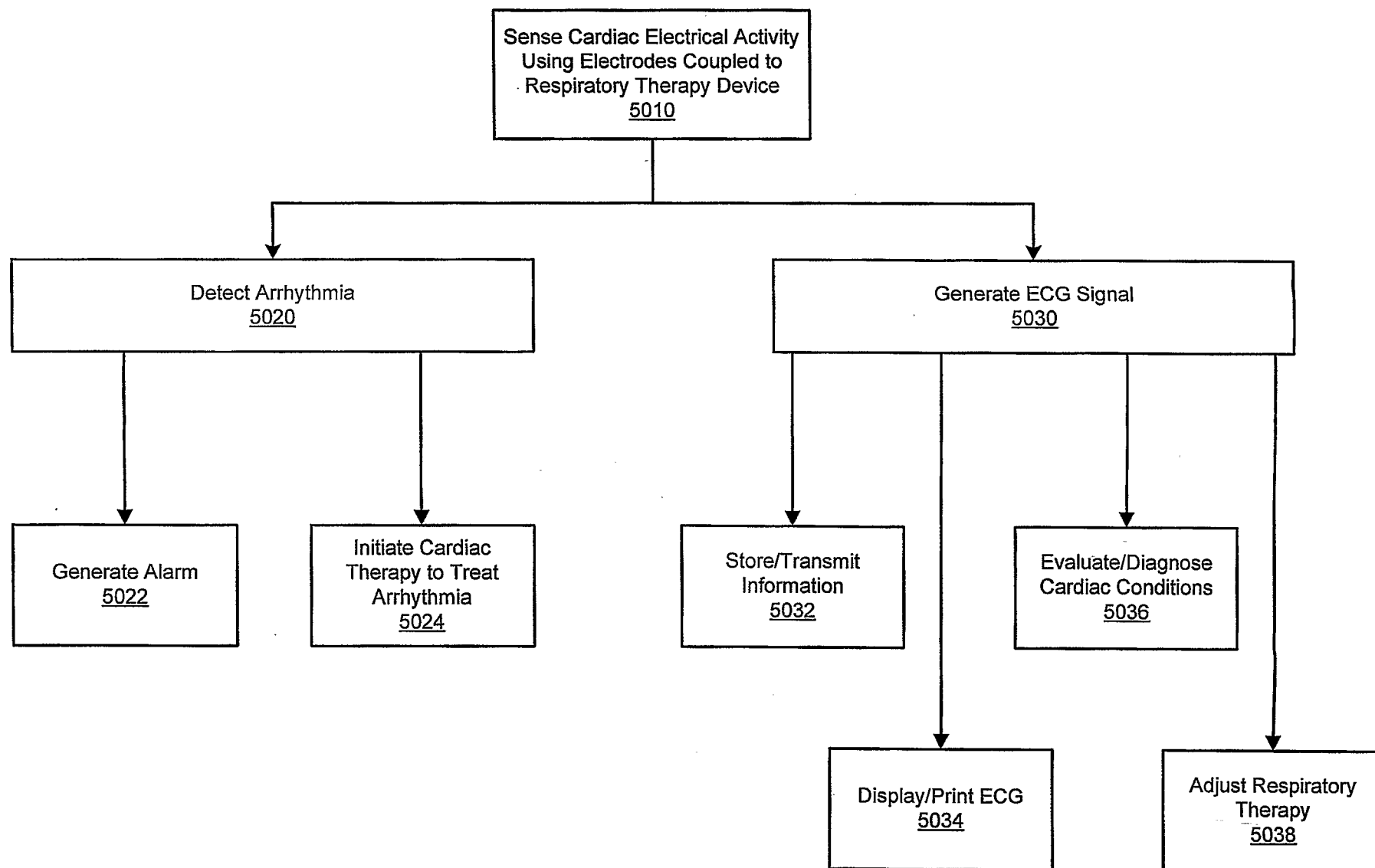


Figure 50

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5100

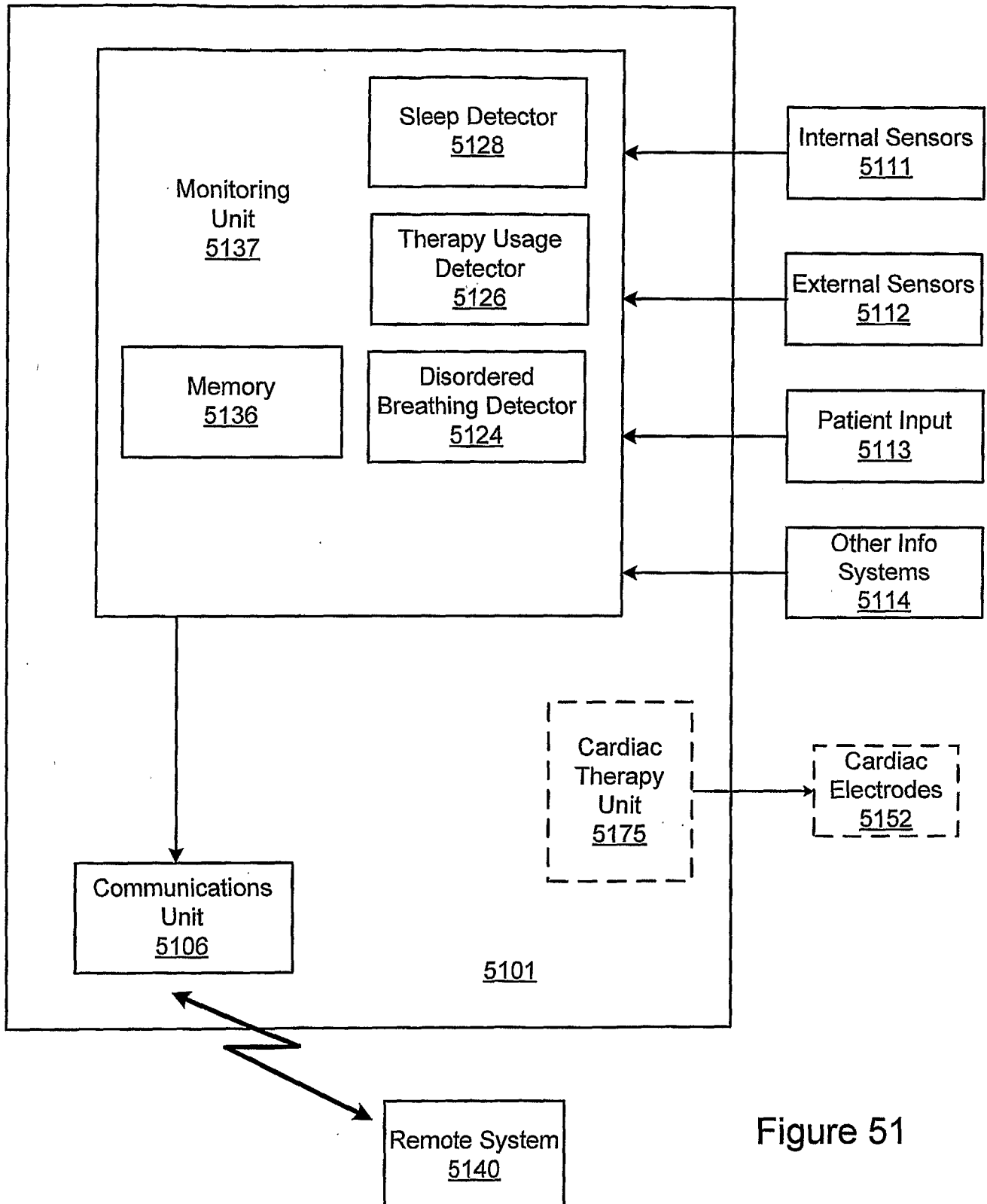


Figure 51

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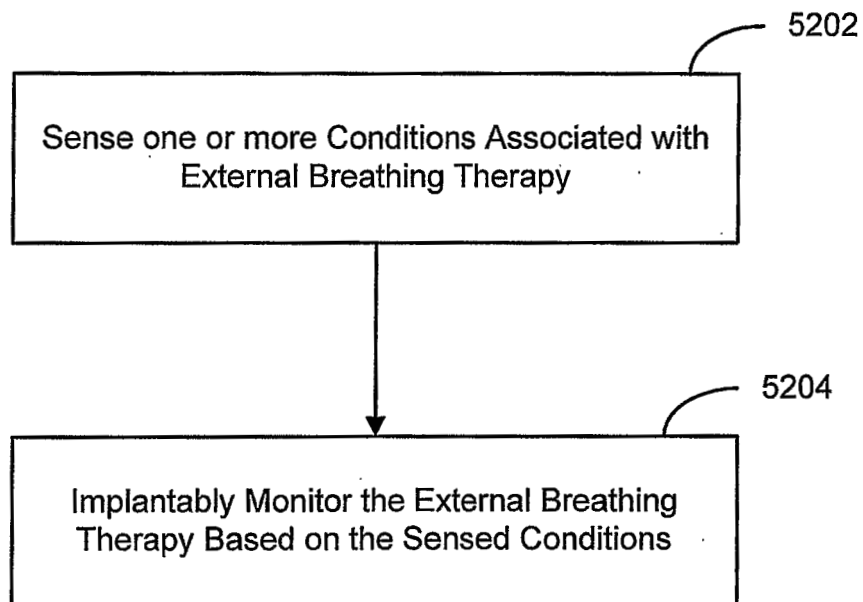


Figure 52A

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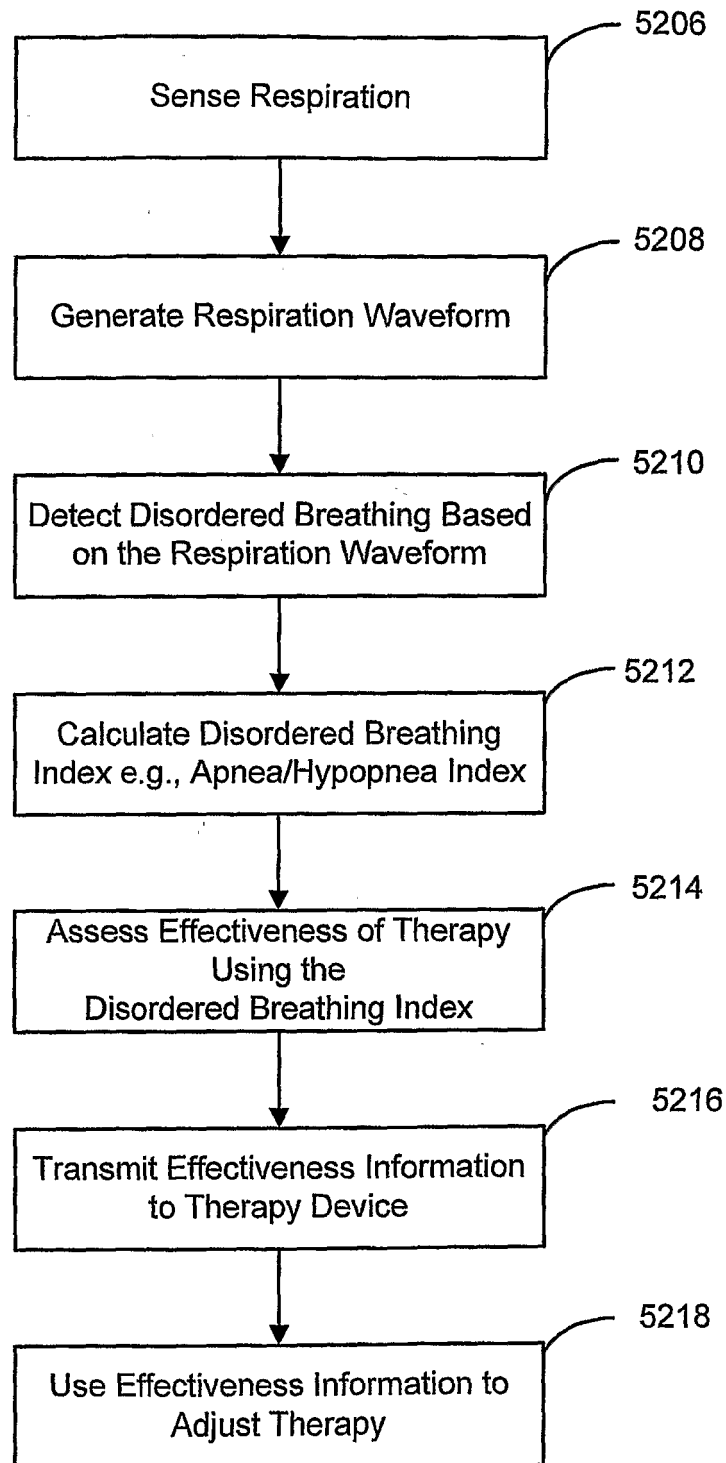


Figure 52B

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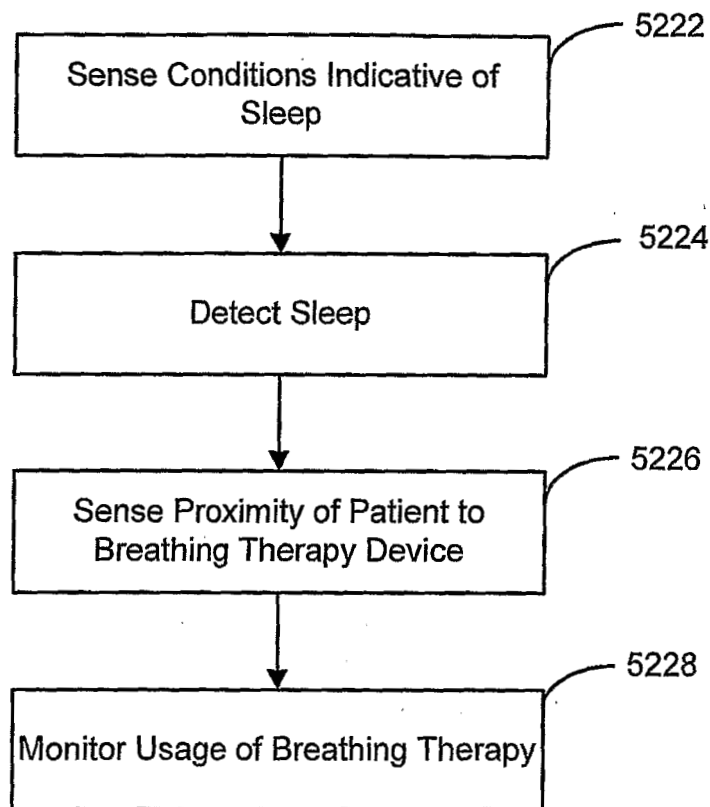


Figure 52C

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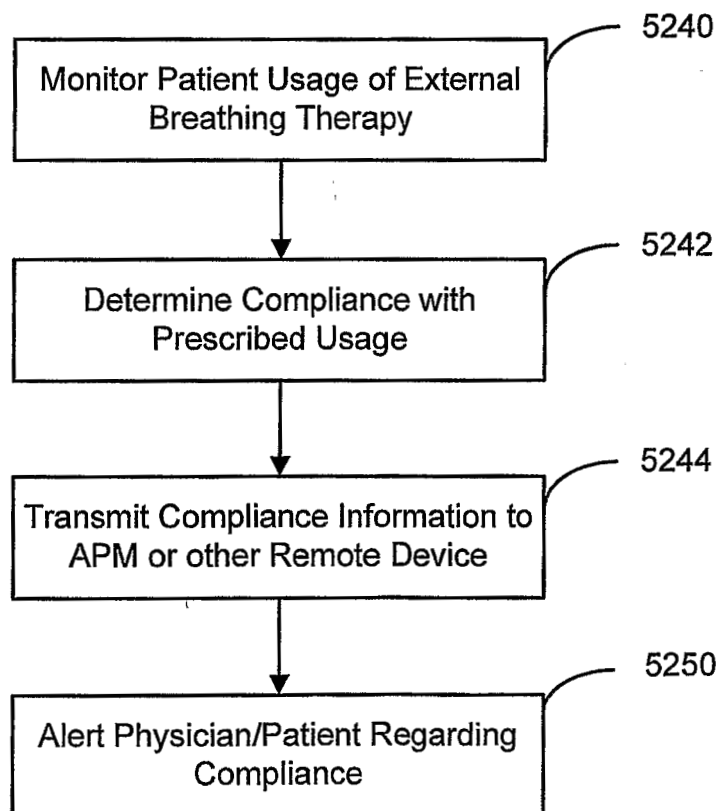


Figure 52D

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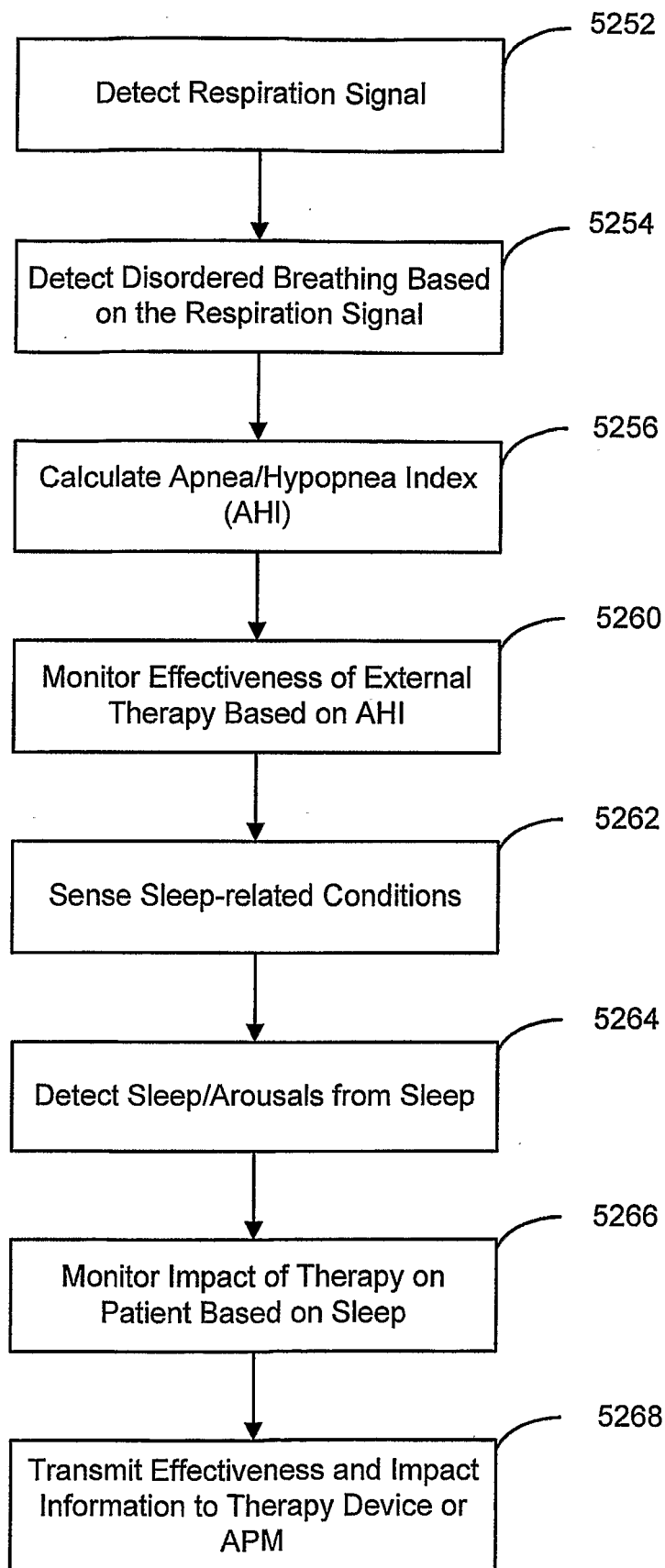
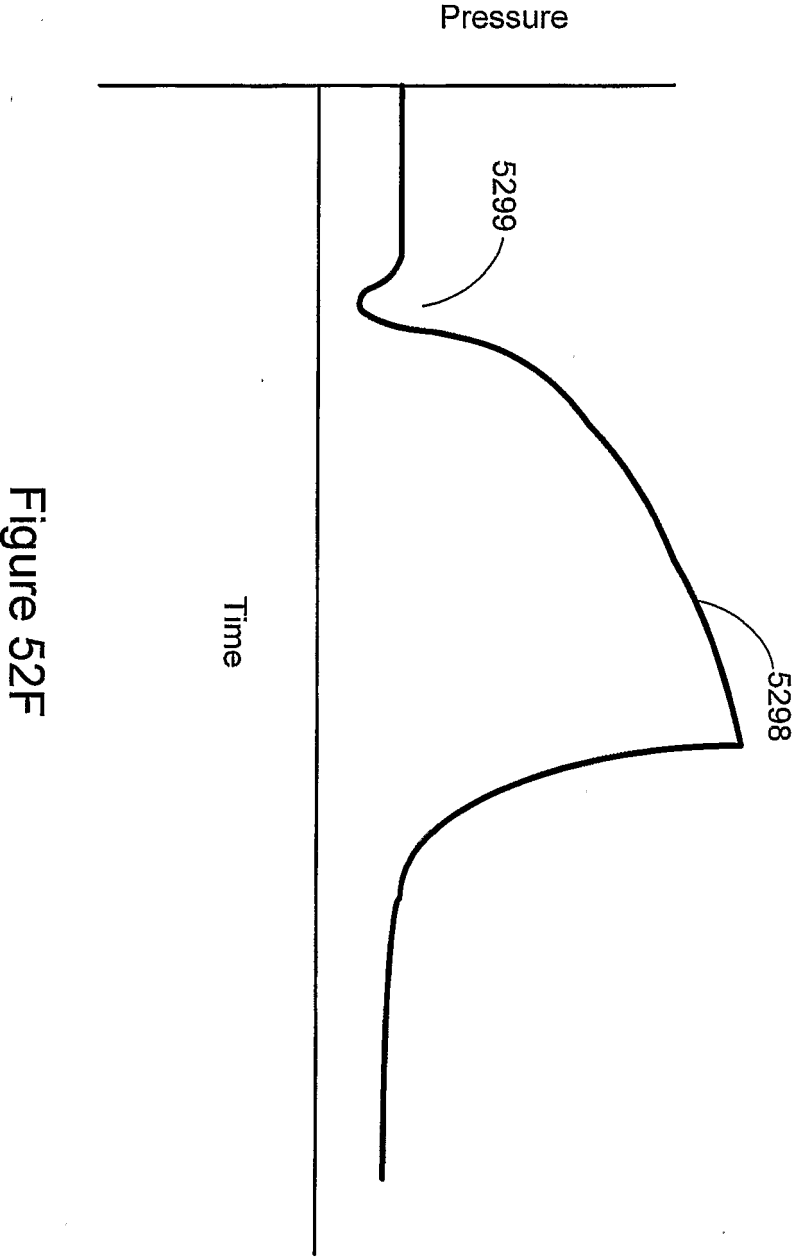


Figure 52E



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5300

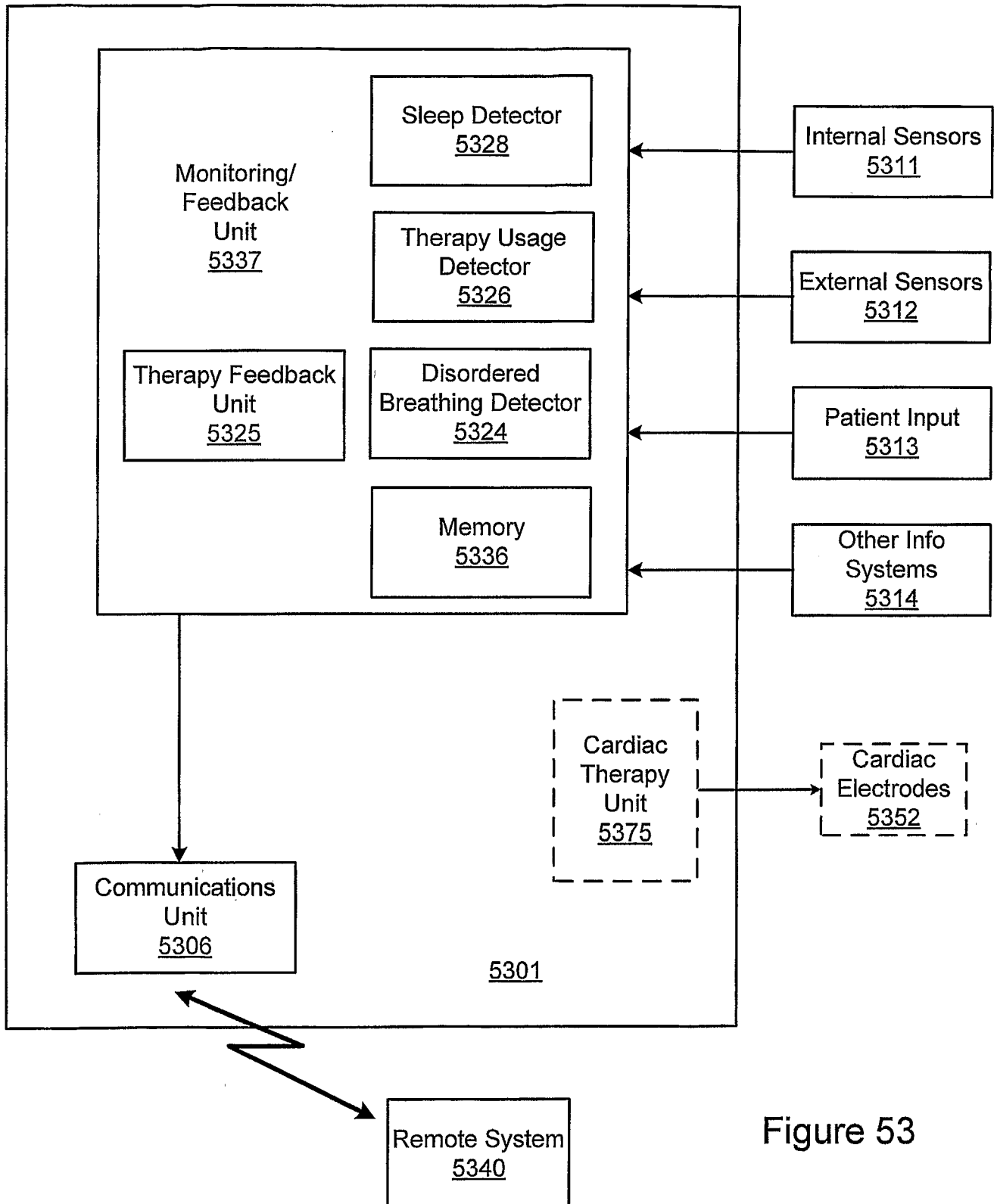


Figure 53

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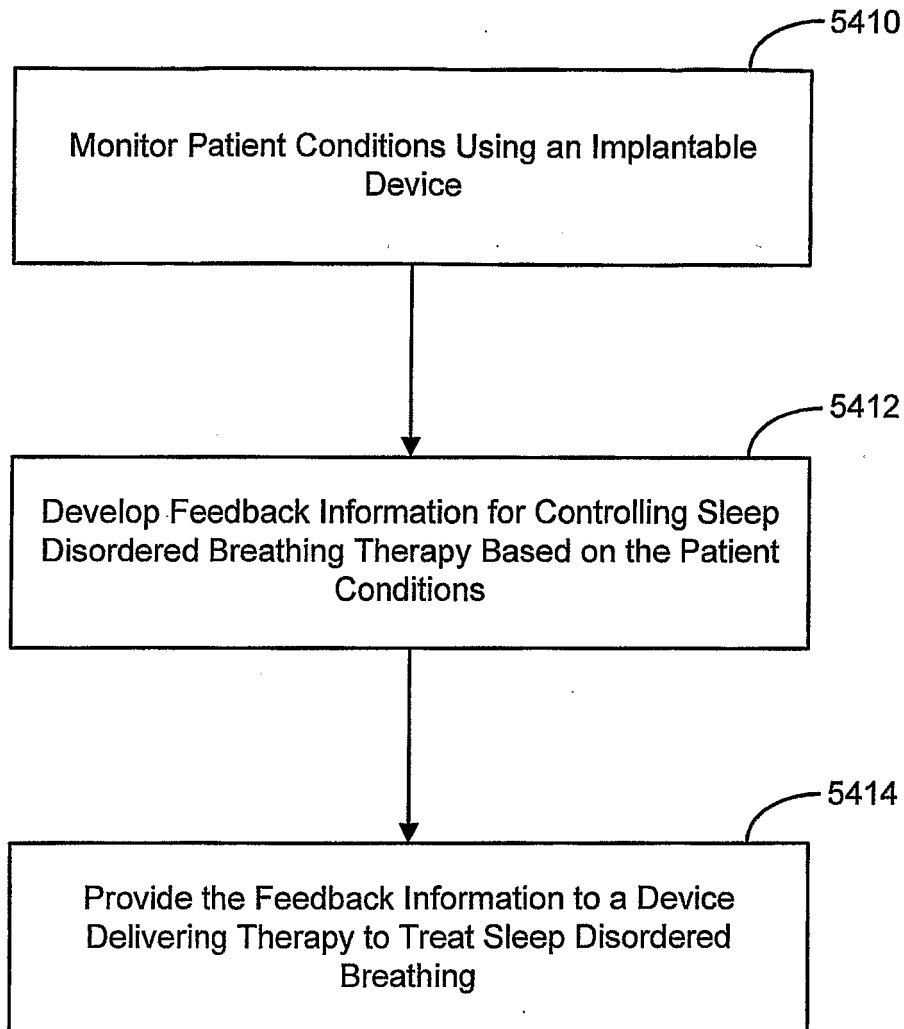


Figure 54A

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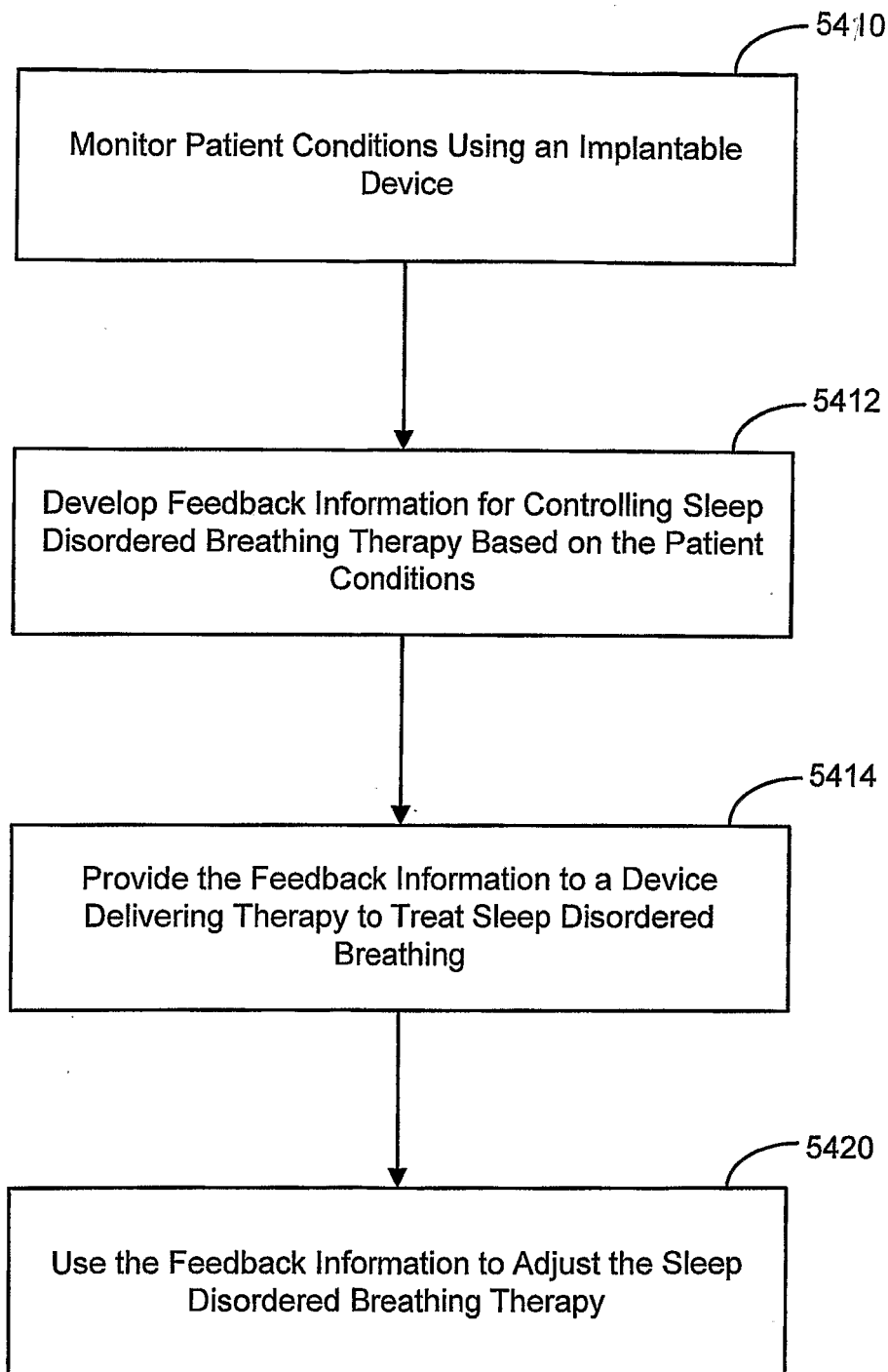


Figure 54B

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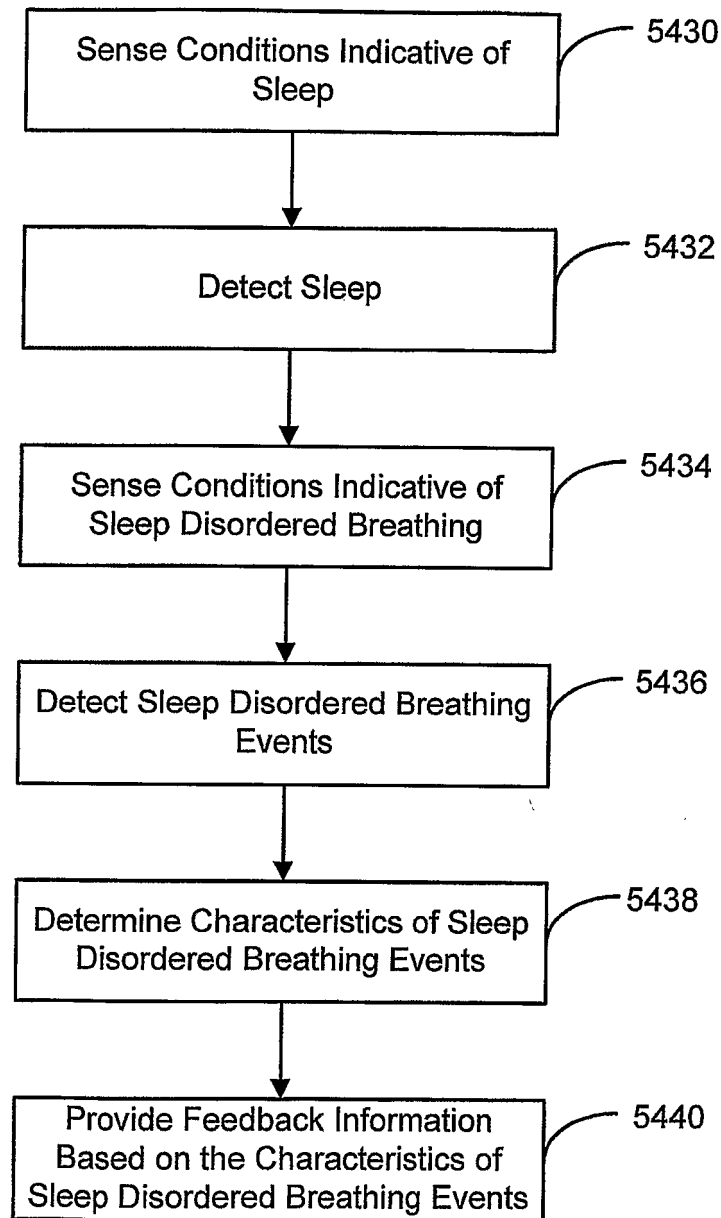


Figure 54C

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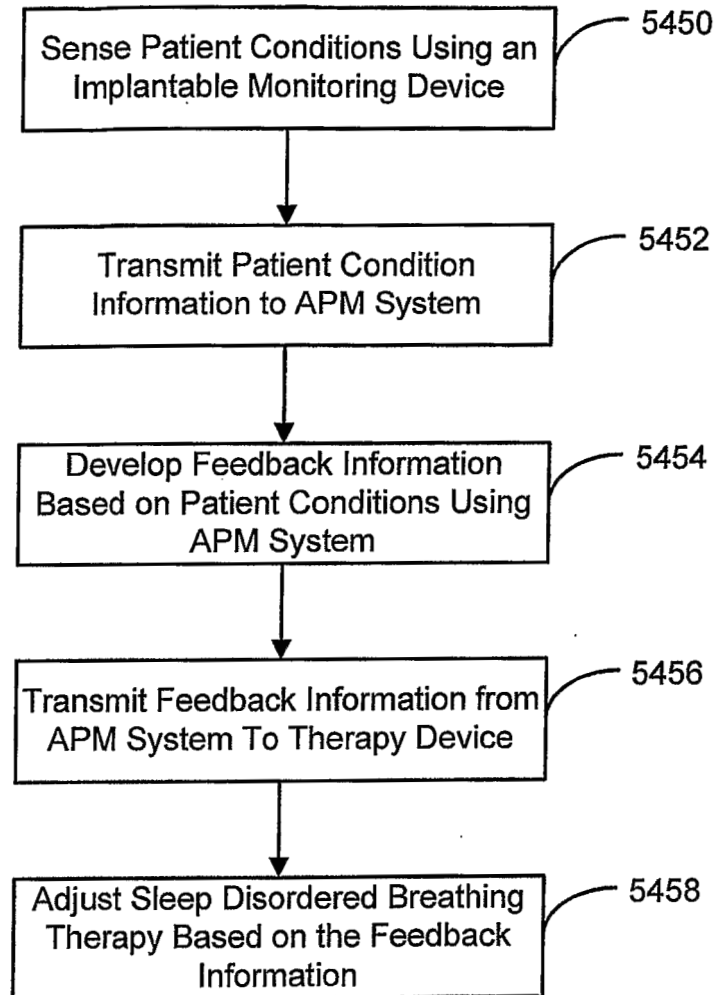


Figure 54D

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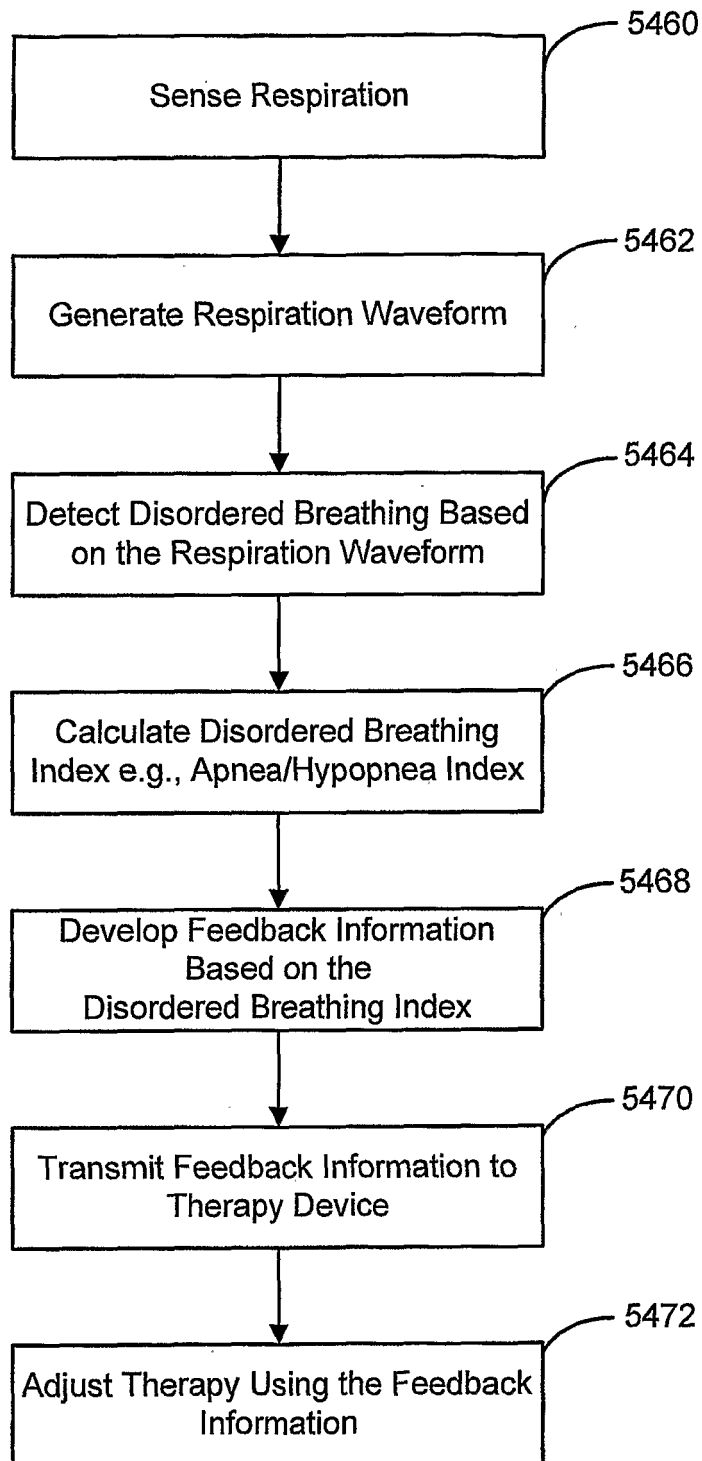


Figure 54E

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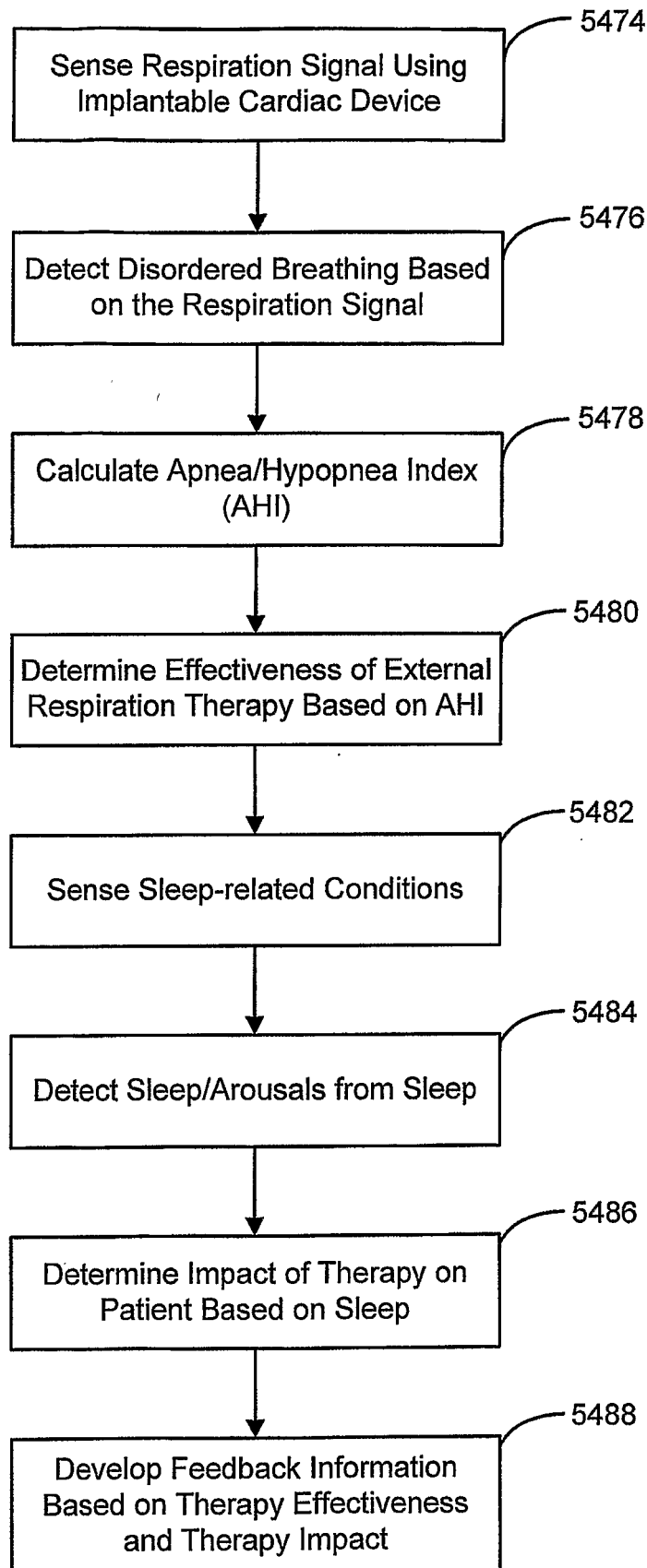
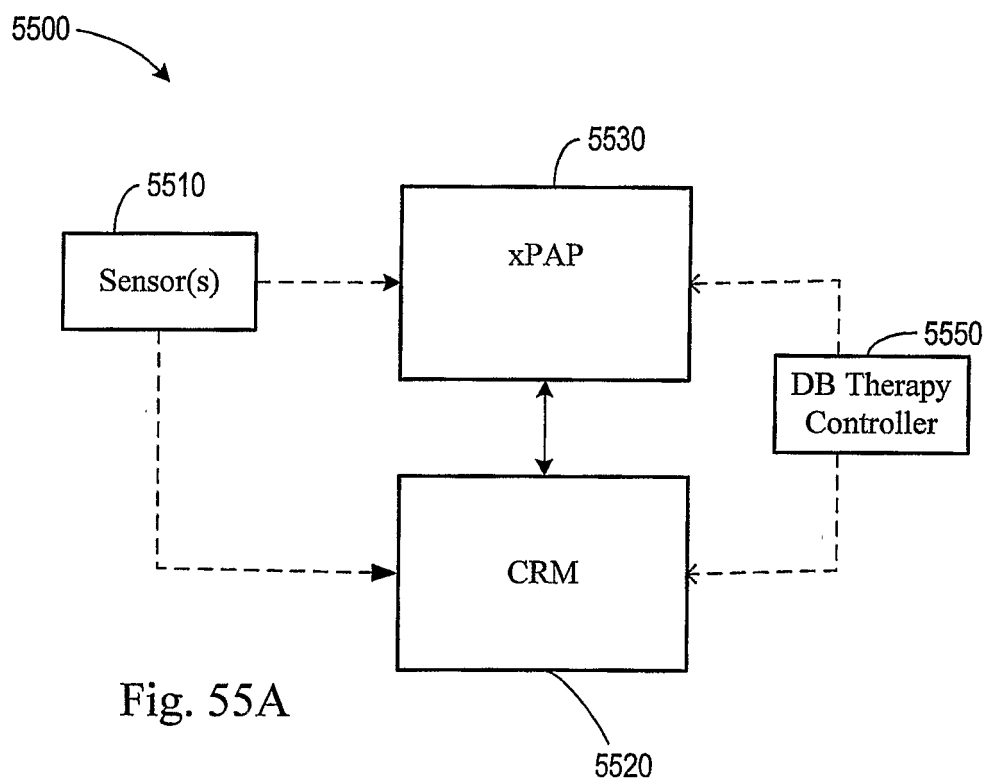


Figure 54F

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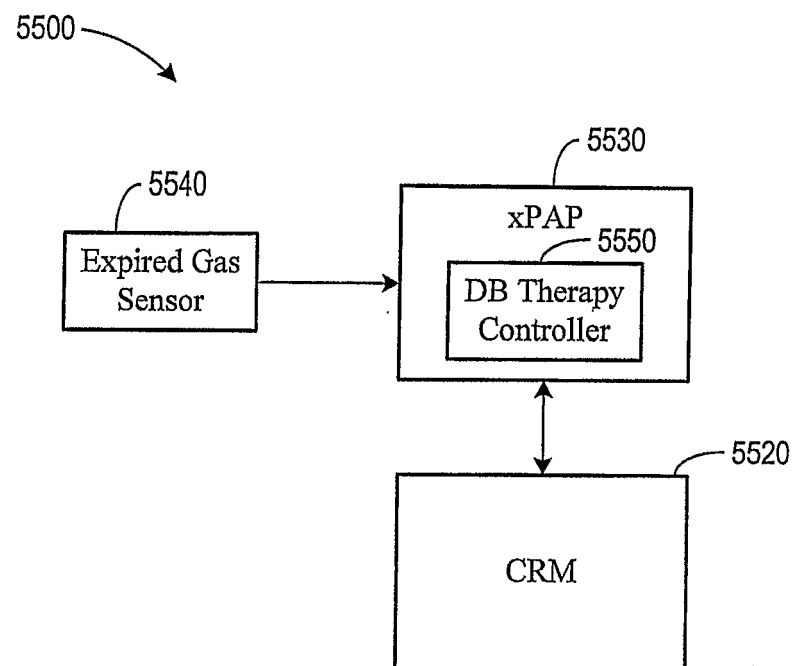


Fig. 55B

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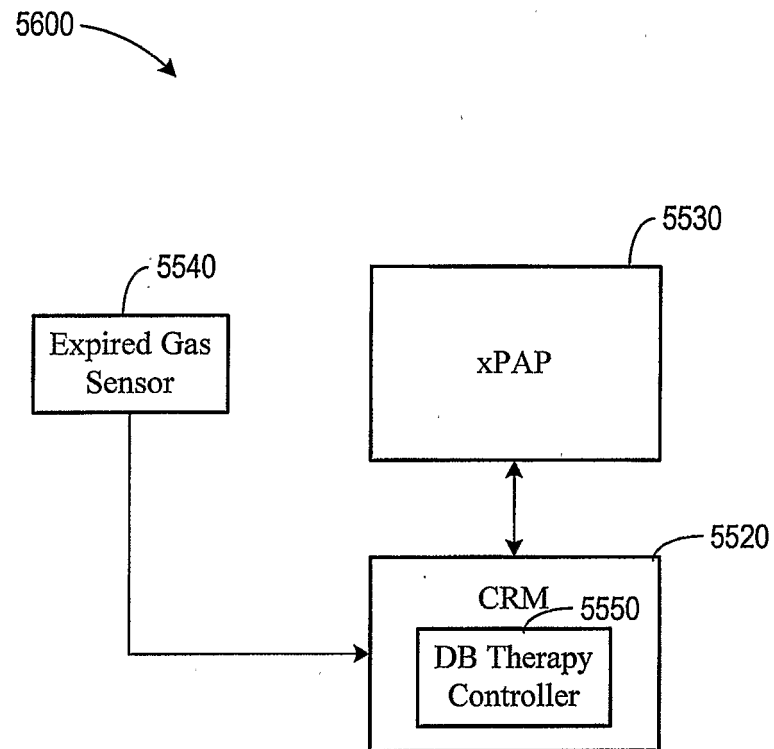


Fig. 56

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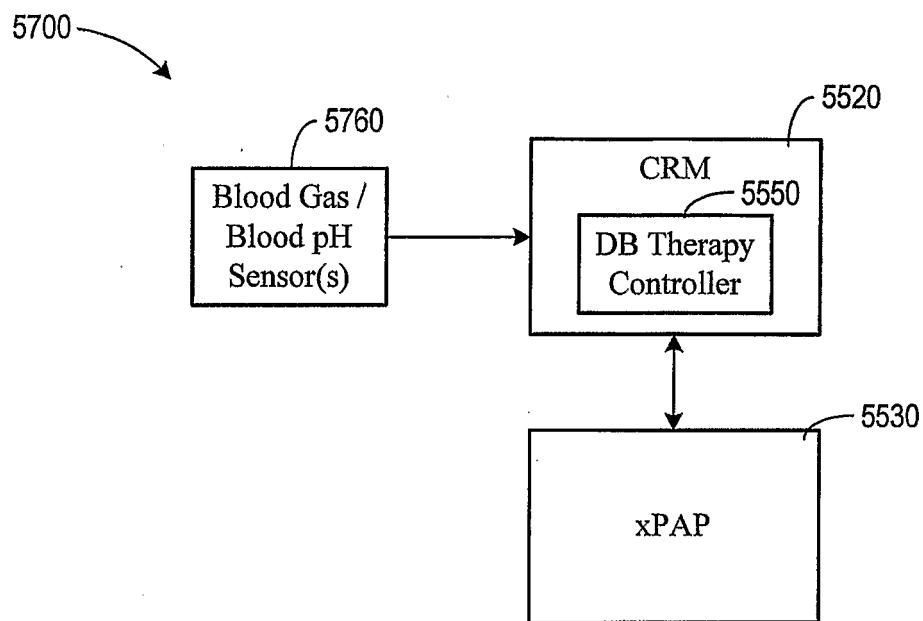


Fig. 57

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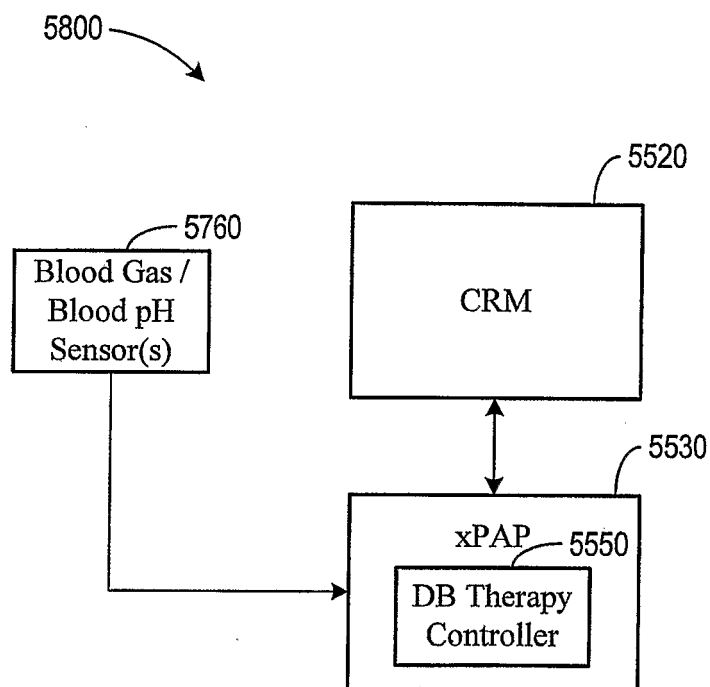


Fig. 58

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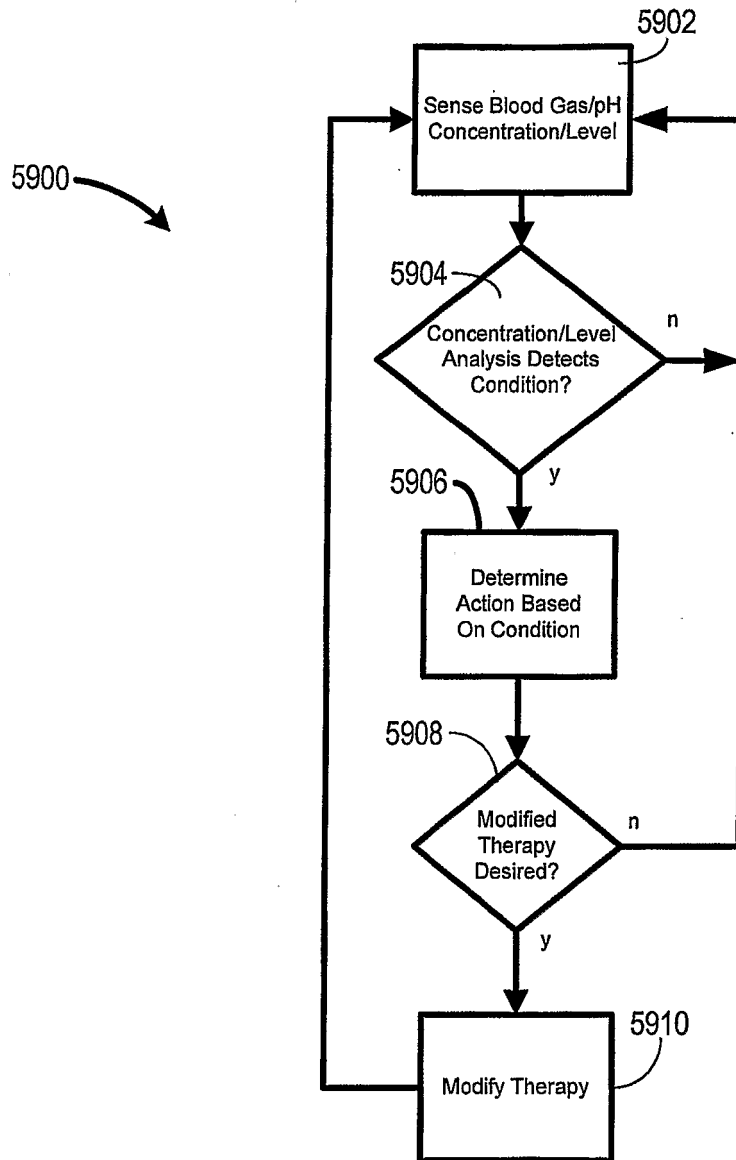


Fig. 59

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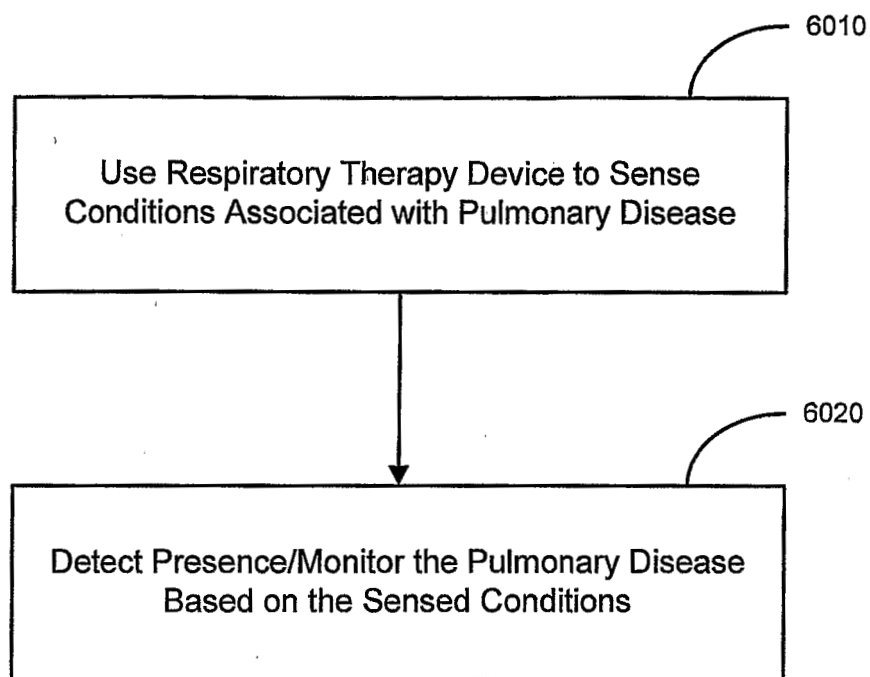
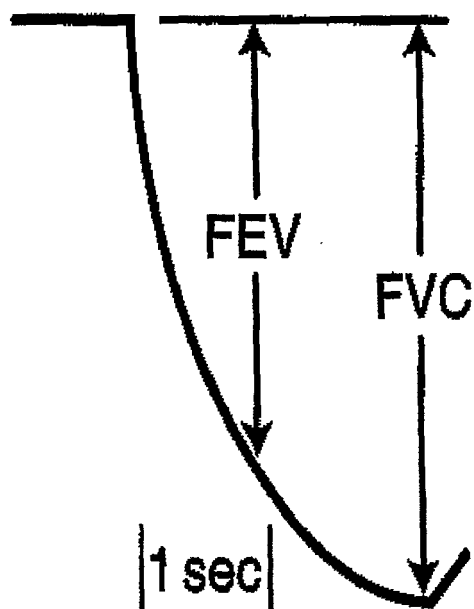


Figure 60A

A. Normal



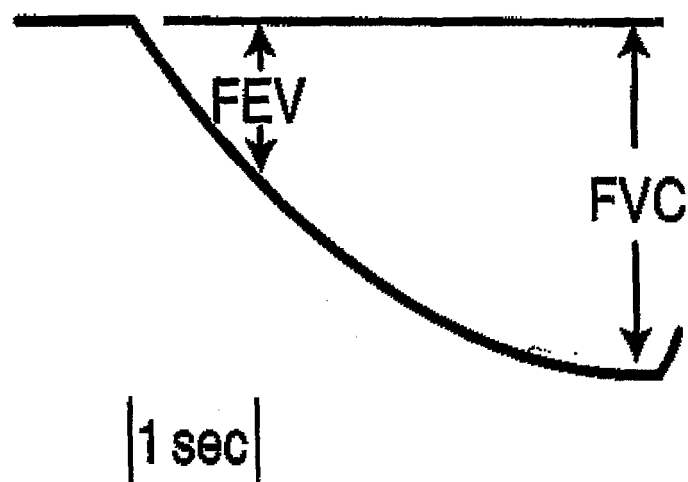
FEV = 4.0

FVC = 5.0

% = 80

Figure 60B

B. Obstructive



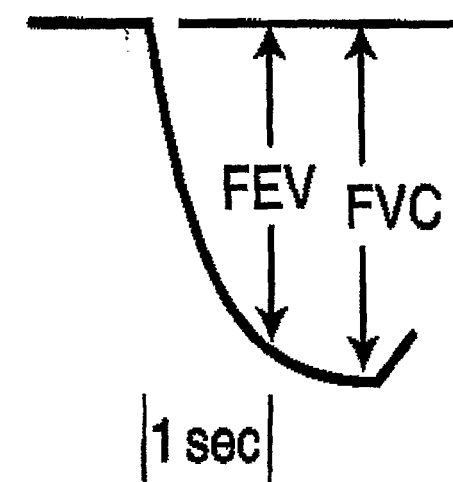
FEV = 1.3

FVC = 3.1

% = 42

Figure 60C

C. Restrictive



FEV = 2.8

FVC = 3.1

% = 90

Figure 60D

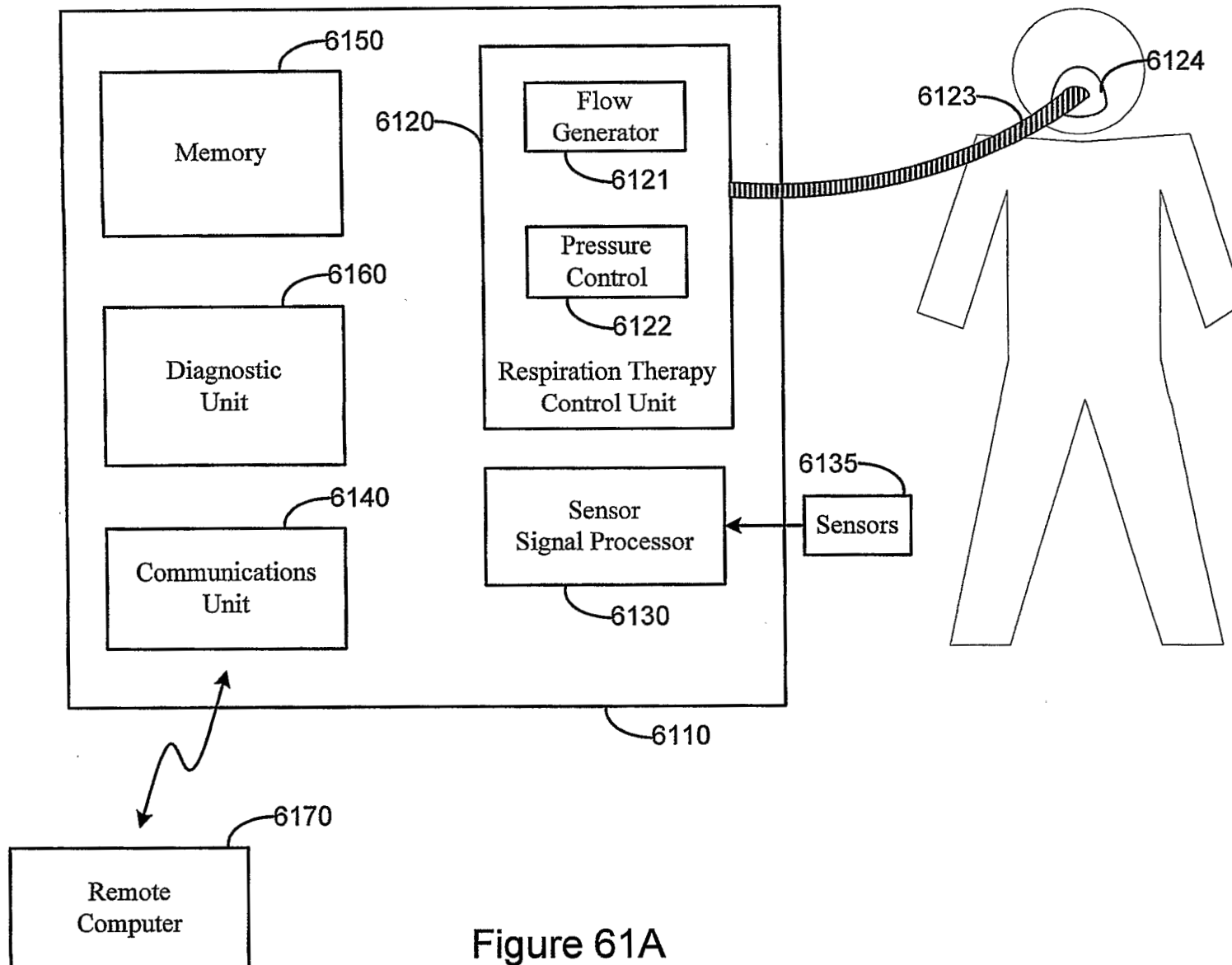


Figure 61A

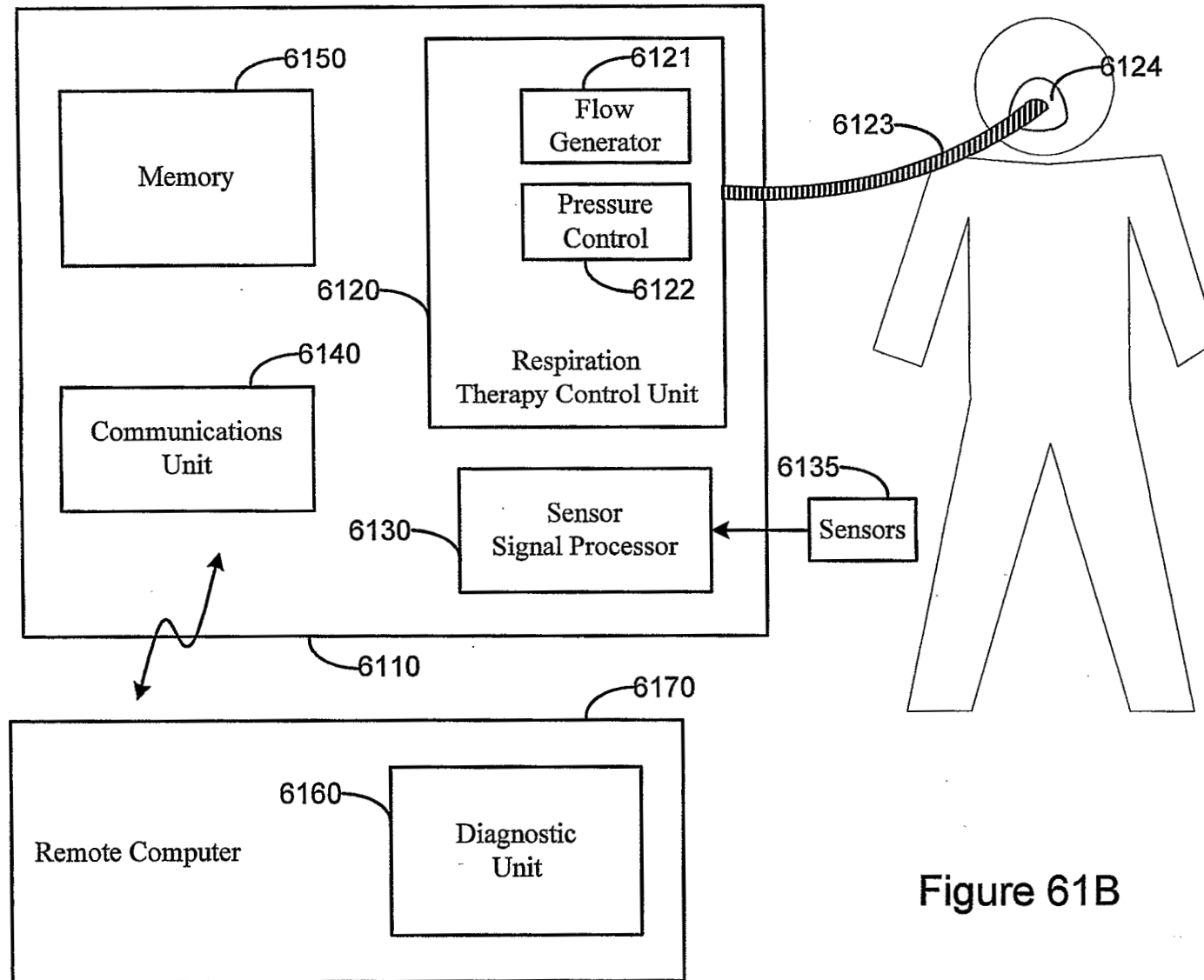


Figure 61B

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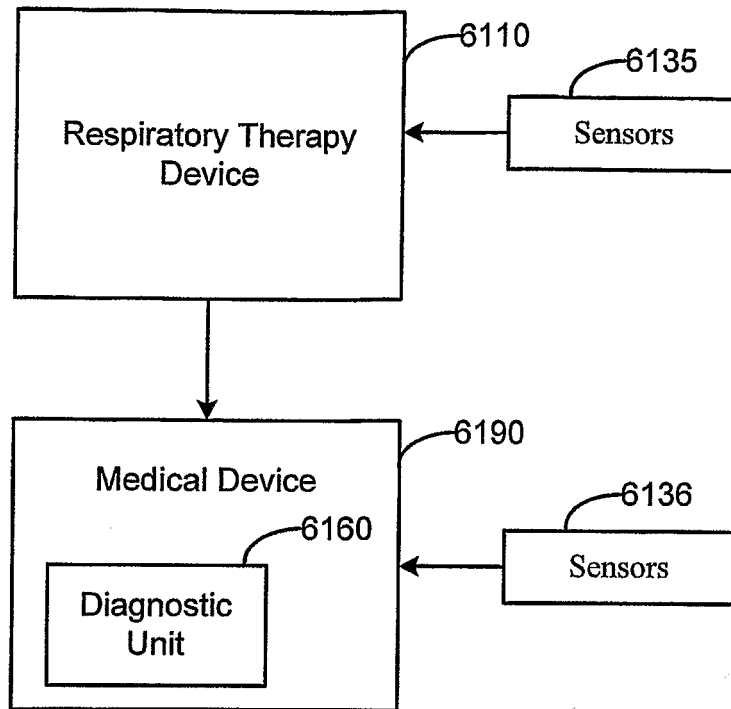


Figure 61C

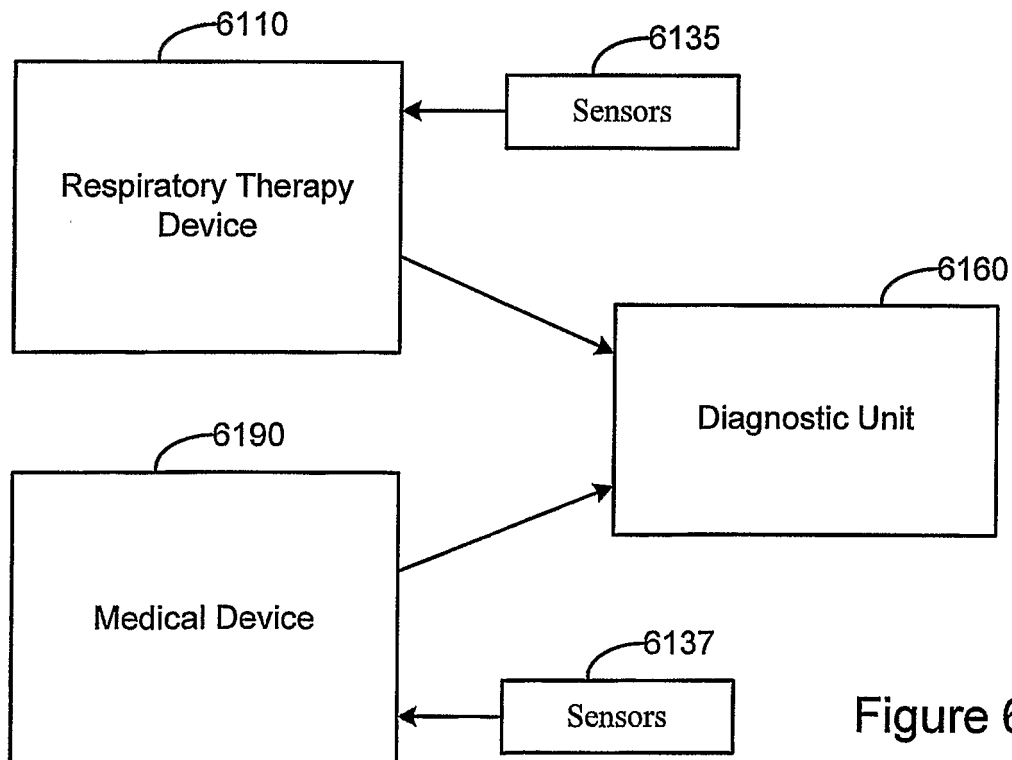


Figure 61D

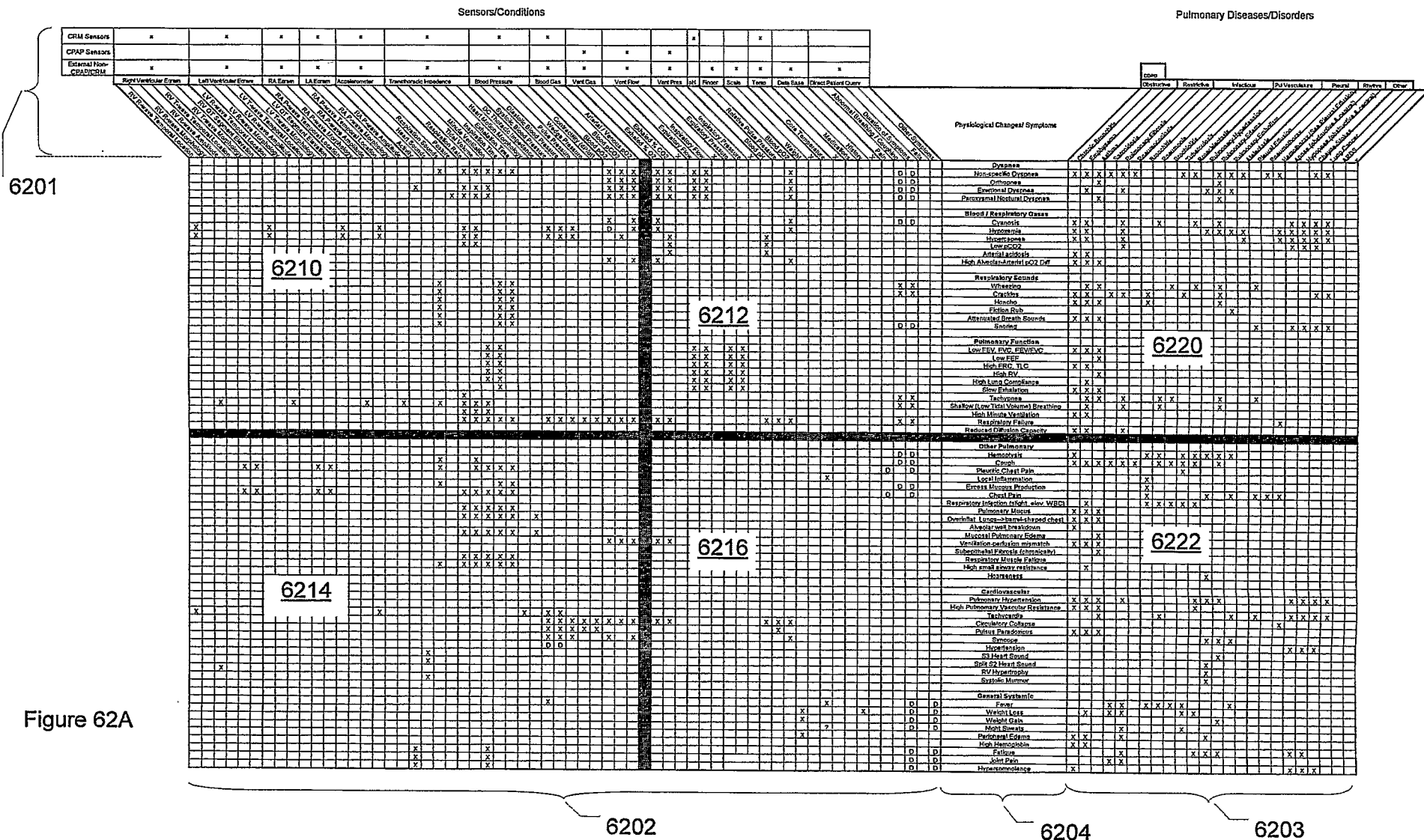


Figure 62A



Sensors/Conditions																				
			x			x														
x	x	x																		
x	x	x		x	x	x	x	x												
Vent Gas	Vent Flow	Vent Pres	pH	Finger	Scale	Temp	Data Base	Direct Patient Query	Abnormal Breathing / Coughing	Duration of Symptoms	Other Symptoms	Physiological Changes/ Symptoms								
Exhaled % CO ₂	Inspiratory Flow	Expiratory Flow	Inspiratory Pressure	Relative Pulse Pressure	Blood pH	Blood pO ₂	Weight	Core Temperature	Medications	History	Pain	Dyspnea								
												Non-specific Dyspnea	d	d						
												Orthopnea	d	d						
												Exertional Dyspnea	d	d						
												Paroxysmal Nocturnal Dyspnea	d	d						
												Blood / Respiratory Gases								
												Cyanosis	d	d						
												Hypoxemia								
												Hypercapnea								
												Low pCO ₂								
												Arterial acidosis								
												High Alveolar-Arterial pO ₂ Diff								
												Respiratory Sounds								
												Wheezing	x	x						
												Crackles	x	x						
												Hocho								
												Fiction Rub								
												Attenuated Breath Sounds								
												Snoring	d	d						
												Pulmonary Function								
												Low FEV, FVC, FEV/FVC								
												Low FEF								
												High FRC, TLC								
												High RV								
												High Lung Compliance								
												Slow Exhalation								
												Tachypnea	x	x						
												Shallow (Low Tidal Volume) Breathing	x	x						
												High Minute Ventilation								
												Respiratory Failure	x	x						
												Reduced Diffusion Capacity								

6212

Figure 62C

Figure 62C



Figure 62D

Pulmonary Diseases/Disorders

COPD

Physiological Changes/
Symptoms

	Obstructive	Restrictive	Infectious	Pul Vasculture	Pleural	Rhythm	Other														
	Chronic Bronchitis	Emphysema	Asthma	Sarcoidosis	Pulmonary Fibrosis	Pneumocystis	Brucellosis	Pneumonia	Tuberculosis	Brucellosis	Pulmonary Hypertension	Pulmonary Edema	Asbestosis	Pleural Effusion	Hemothorax	Atelectasis (See Pleural Effusion)	Hypoxemia (Obstructive & Central)	Chronic Obstructive Pulmonary Disease	Periodic Breathing	Lung Cancer	ARDS
Dyspnea																					
Non-specific Dyspnea	X	X	X	X	X	X		X	X	X	X	X	X	X	X		X	X			
Orthopnea		X							X												
Exertional Dyspnea	X			X					X	X	X										
Paroxysmal Nocturnal Dyspnea		X							X												
Blood / Respiratory Gases																					
Cyanosis	X	X		X		X		X	X					X	X	X	X	X			
Hypoxemia	X	X		X				X	X	X	X			X	X	X	X	X			
Hypercapnea	X	X		X						X				X	X	X	X	X			
Low pCO ₂				X										X	X	X					
Arterial acidosis	X	X																			
High Alveolar-Arterial pO ₂ Diff	X	X	X																		
Respiratory Sounds																					
Wheezing		X	X					X	X	X		X									
Crackles	X	X	X	X	X	X		X		X							X	X			
Honcho	X	X	X		X					X											
Fiction Rub										X											
Attenuated Breath Sounds	X	X	X																		
Snoring												X		X	X	X	X				
Pulmonary Function																					
Low FEV, FVC, FEV/FVC	X	X	X																		
Low FEF		X																			
High FRC, TLC	X	X																			
High RV		X																			
High Lung Compliance		X																			
Slow Exhalation	X	X	X																		
Tachypnea	X	X		X		X	X		X		X		X								
Shallow (Low Tidal Volume) Breathing	X	X		X		X			X												
High Minute Ventilation	X	X																			
Respiratory Failure														X							
Reduced Diffusion Capacity	X	X		X																	

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Figure 62F

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Figure 62F

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Cardiac Diseases and Disorders

	Rhythm	CAD	Heart Failure	Hypertension	Other
Physiological Changes/ Symptoms	Bradycardia Ventricular Tachy / Fib Paroxysmal Atrial Tachy / Fib Chronic Atrial Tachy / Fib X Acute MI Ischemia X Low Output Congestion X Systolic Diastolic X X X X X				
Cardiac	X	X	X	X	X
Heart Rate	X	X	X	X	X
Blood Pressure		X	X	X	X
Pulse Pressure			X	X	X
Ectopic Beat (PVC) Density	X	X	X	X	X
ST Segment Elevation			X	X	X
Mitral Regurgitation		X	X	X	X
Hypertrophy			X	X	X
Chest Pain		X	X	X	X
Stroke Volume		X	X	X	X
Ventricular Contractility		X	X	X	X
Pulse Alternans		X	X	X	X
Syncope	X	X	X	X	X

Figure 62M

Figure 62M

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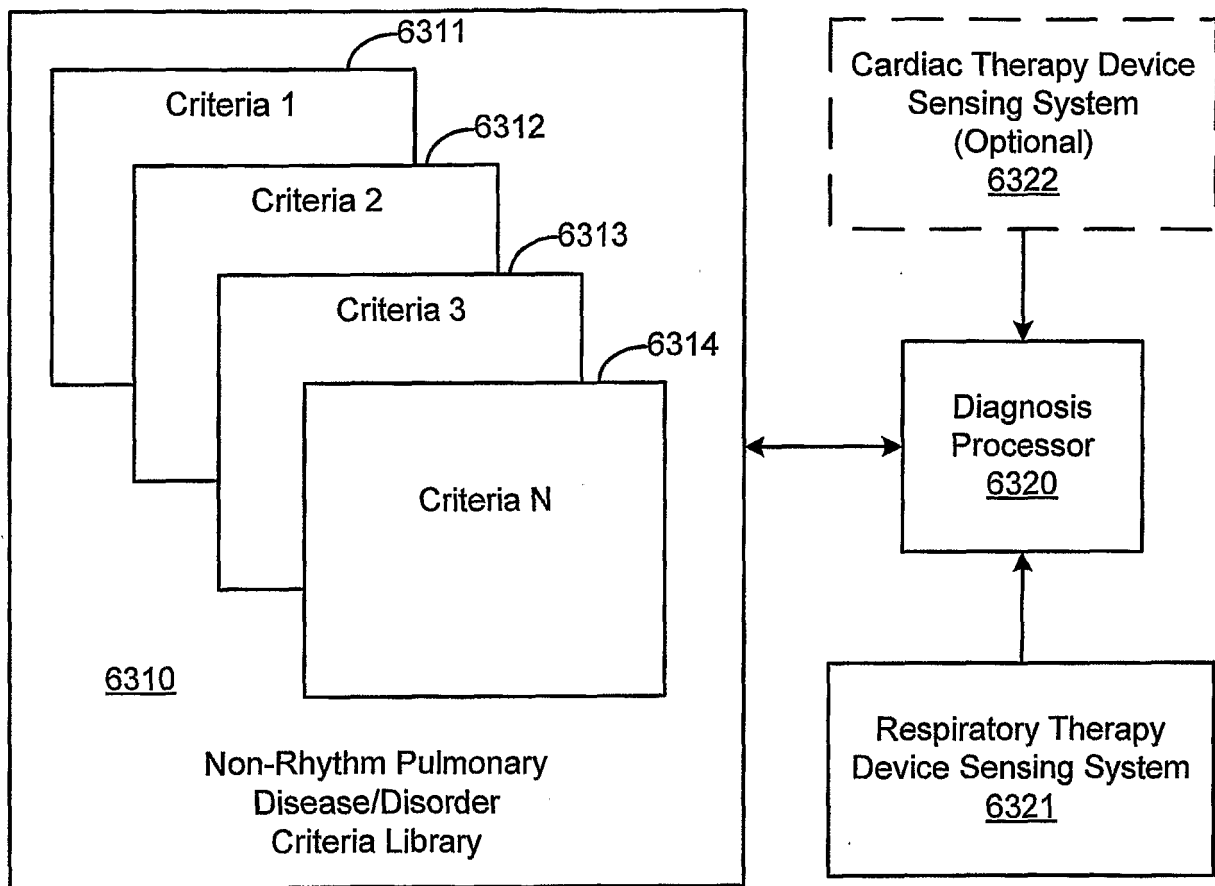


Figure 63A

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Criteria Set for Assessment of Chronic Bronchitis

Physiological Change or Symptom Associated with Chronic Bronchitis	Condition Used to Detect the Physiological Change or Symptom	Respiration Therapy Device Sensor Used to Sense Condition
Non-Specific Dyspnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Cyanosis	Exhaled % O ₂	O ₂ Gas Sensor
Hypoxemia	Exhaled % O ₂	O ₂ Gas Sensor
Hypercapnea	Exhaled % CO ₂	CO ₂ Gas Sensor
Low pCO ₂	Exhaled % CO ₂	CO ₂ Gas Sensor
Arterial Acidosis	Exhaled % CO ₂	CO ₂ Gas Sensor
High Aveolar-Arterial pO ₂ differential	Exhaled % O ₂	O ₂ Gas Sensor
Low FEV, FVC, FEV/FVC	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
	Expiratory Pressure	Expiratory Pressure Sensor
	Inspiratory Pressure	Inspiratory Pressure Sensor
High, FRC, TLC	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
	Expiratory Pressure	Expiratory Pressure Sensor
	Inspiratory Pressure	Inspiratory Pressure Sensor
Slow Exhalation	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
	Expiratory Pressure	Expiratory Pressure Sensor
	Inspiratory Pressure	Inspiratory Pressure Sensor
Ventilation-Perfusion Mismatch	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor

Figure 63B

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Criteria Set for Assessment of Emphysema

Physiological Change or Symptom Associated with Emphysema	Condition Used to Detect the Physiological Change or Symptom	Respiration Therapy Device Sensor Used to Sense Condition
Non-Specific Dyspnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Exertional Dyspnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Cyanosis	Exhaled % O ₂	O ₂ Gas Sensor
Hypoxemia	Exhaled % O ₂	O ₂ Gas Sensor
Hypercapnia	Exhaled % CO ₂	CO ₂ Gas Sensor
Arterial Acidosis	Exhaled % CO ₂	CO ₂ Gas Sensor
High Alveolar-Arterial pO ₂ differential	Exhaled % O ₂	O ₂ Gas Sensor
Low FEV, FVC, FEV/FVC	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
	Expiratory Pressure	Expiratory Pressure Sensor
	Inspiratory Pressure	Inspiratory Pressure Sensor
High, FRC, TLC	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
	Expiratory Pressure	Expiratory Pressure Sensor
	Inspiratory Pressure	Inspiratory Pressure Sensor
High Lung Compliance	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
	Expiratory Pressure	Expiratory Pressure Sensor
	Inspiratory Pressure	Inspiratory Pressure Sensor
Slow Exhalation	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
	Expiratory Pressure	Expiratory Pressure Sensor
	Inspiratory Pressure	Inspiratory Pressure Sensor
Ventilation-Perfusion Mismatch	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor

Figure 63C

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Criteria Set for Assessment of Asthma

Physiological Change or Symptom Associated with Asthma	Condition Used to Detect the Physiological Change or Symptom	Respiration Therapy Device Sensor Used to Sense Condition
Non-Specific Dyspnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Orthopnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Paroxysmal Nocturnal Dysnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
High Aveolar-Arterial pO ₂ differential	Exhaled % O ₂	O ₂ Gas Sensor
Low FEV, FVC, FEV/FVC	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
	Expiratory Pressure	Expiratory Pressure Sensor
	Inspiratory Pressure	Inspiratory Pressure Sensor
Low FEF	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
	Expiratory Pressure	Expiratory Pressure Sensor
	Inspiratory Pressure	Inspiratory Pressure Sensor
High RV	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
	Expiratory Pressure	Expiratory Pressure Sensor
	Inspiratory Pressure	Inspiratory Pressure Sensor
Slow Exhalation	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
	Expiratory Pressure	Expiratory Pressure Sensor
	Inspiratory Pressure	Inspiratory Pressure Sensor
Ventilation-Perfusion Mismatch	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor

Figure 63D

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Criteria Set for Assessment of Pulmonary Fibrosis

Physiological Change or Symptom Associated with Pulmonary Fibrosis	Condition Used to Detect the Physiological Change or Symptom	Respiration Therapy Device Sensor Used to Sense Condition
Non-Specific Dyspnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Exertional Dyspnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Cyanosis	Exhaled % O ₂	O ₂ Gas Sensor
Hypoxemia	Exhaled % O ₂	O ₂ Gas Sensor
Hypercapnia	Exhaled % CO ₂	CO ₂ Gas Sensor
Low pCO ₂	Exhaled % CO ₂	CO ₂ Gas Sensor

Figure 63E

Criteria Set for Assessment of Pulmonary Hypertension

Physiological Change or Symptom Associated with Pulmonary Hypertension	Condition Used to Detect the Physiological Change or Symptom	Respiration Therapy Device Sensor Used to Sense Condition
Exertional Dyspnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Hypoxemia	Exhaled % O ₂	O ₂ Gas Sensor

Figure 63F

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Criteria Set for Assessment of Pulmonary Edema

Physiological Change or Symptom Associated with Pulmonary Edema	Condition Used to Detect the Physiological Change or Symptom	Respiration Therapy Device Sensor Used to Sense Condition
Non-Specific Dyspnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Orthopnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Exertional Dyspnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Paroxysmal Nocturnal Dyspnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Cyanosis	Exhaled % O ₂	O ₂ Gas Sensor
Hypoxemia	Exhaled % O ₂	O ₂ Gas Sensor

Figure 63G

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Criteria Set for Assessment of Pulmonary Embolism

Physiological Change or Symptom Associated with Pulmonary Embolism	Condition Used to Detect the Physiological Change or Symptom	Respiration Therapy Device Sensor Used to Sense Condition
Non-Specific Dyspnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Exertional Dyspnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Hypoxemia	Exhaled % O ₂	O ₂ Gas Sensor

Figure 63H

Criteria Set for Assessment of Atelectasis

Physiological Change or Symptom Associated with Atelectasis	Condition Used to Detect the Physiological Change or Symptom	Respiration Therapy Device Sensor Used to Sense Condition
Non-Specific Dyspnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Hypoxemia	Exhaled % O ₂	O ₂ Gas Sensor
Hypercapnia	Exhaled % CO ₂	CO ₂ Gas Sensor

Figure 63I

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Criteria Set for Assessment of Hemothorax

Physiological Change or Symptom Associated with Hemothorax	Condition Used to Detect the Physiological Change or Symptom	Respiration Therapy Device Sensor Used to Sense Condition
Non-Specific Dyspnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Hypoxemia	Exhaled % O ₂	O ₂ Gas Sensor
Hypercapnia	Exhaled % CO ₂	CO ₂ Gas Sensor
Respiratory Failure	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
Circulatory Collapse	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor

Figure 63J

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Criteria Set for Assessment of Tuberculosis

Physiological Change or Symptom Associated with Hemothorax	Condition Used to Detect the Physiological Change or Symptom	Respiration Therapy Device Sensor Used to Sense Condition
Non-Specific Dyspnea	Exhaled % CO ₂	CO ₂ Gas Sensor
	Exhaled % O ₂	O ₂ Gas Sensor
	Expiratory Flow	Expiratory Flowmeter
	Inspiratory Flow	Inspiratory Flowmeter
Crackles	Duration of Symptoms	Patient Inquiry
	Abnormal Breathing/Coughing	Patient Inquiry
	Inspiration Time	Transthoracic Impedance
	Expiration Time	Transthoracic Impedance
	Respiration Sounds	Accelerometer
Hemoptysis	Duration of Symptoms	Patient Inquiry
	Abnormal Breathing/Coughing	Patient Inquiry
Cough	Duration of Symptoms	Patient Inquiry
	Abnormal Breathing/Coughing	Patient Inquiry
	Tidal Volume	Transthoracic Impedance
	Respiration Sounds	Accelerometer
Pleuritic Chest Pain	Duration of Symptoms	Patient Inquiry
	Pain	Patient Inquiry
	Exhalation Time	Transthoracic Impedance
	Inspiration Time	Transthoracic Impedance
	Minute Ventilation	Transthoracic Impedance
	Tidal Volume	Transthoracic Impedance
	Respiration Sounds	Accelerometer
	LV QT Segment Elevation	Left Ventricular Egram
	LV T wave Morphology	Left Ventricular Egram
	RV QT Segment Elevation	Right Ventricular Egram
	RV T wave Morphology	Right Ventricular Egram

Figure 63K

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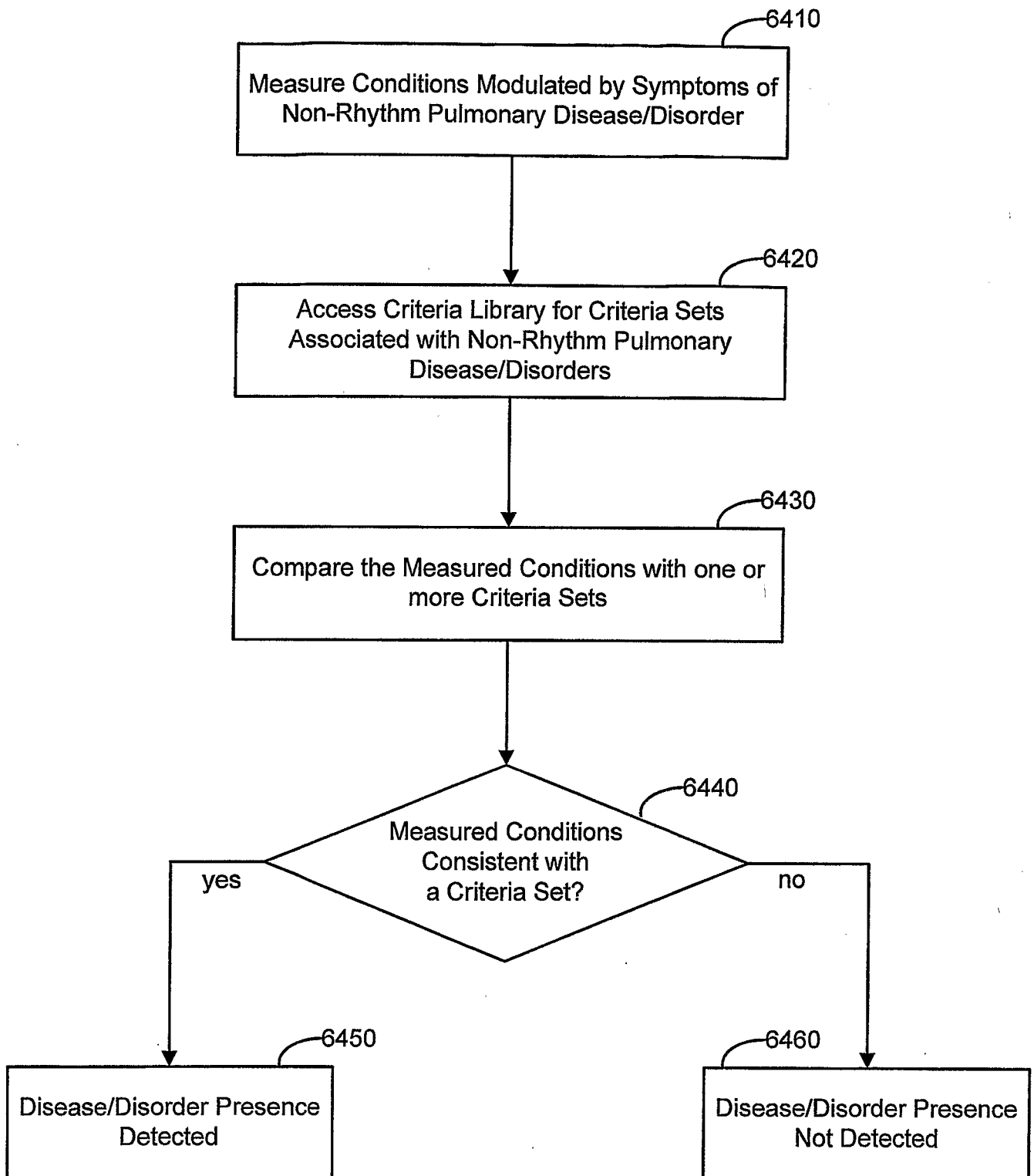
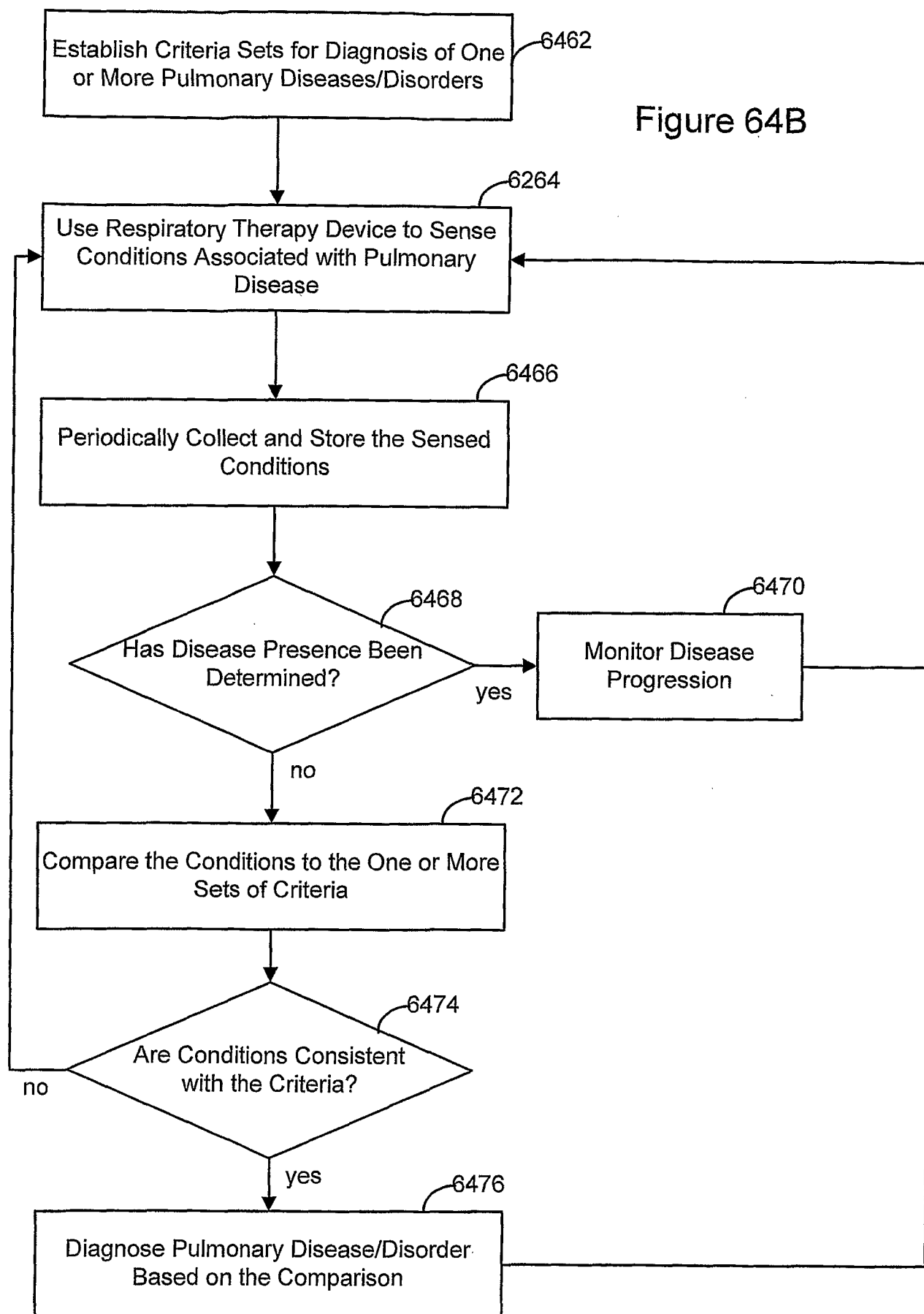


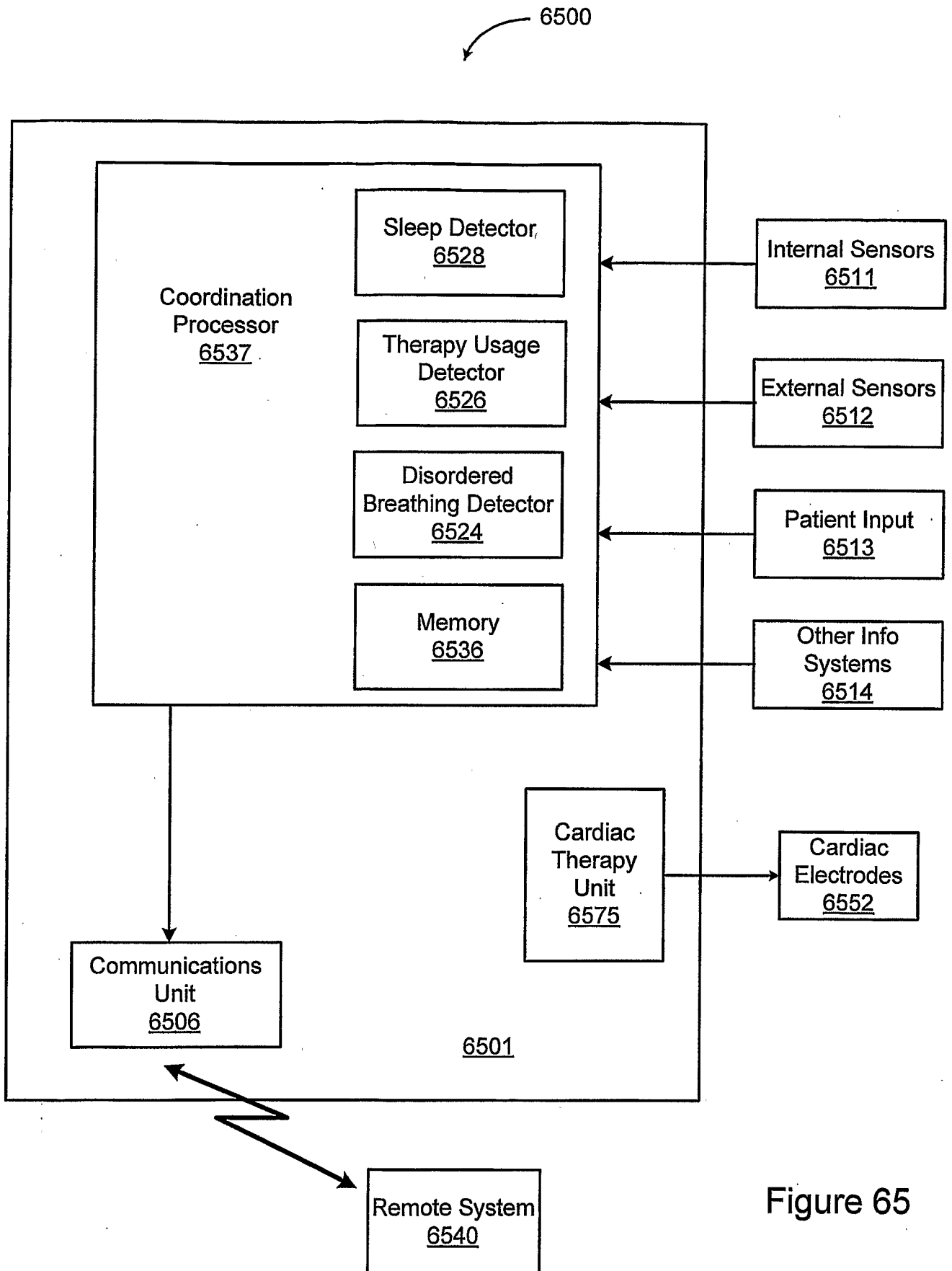
Figure 64A

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Figure 64B



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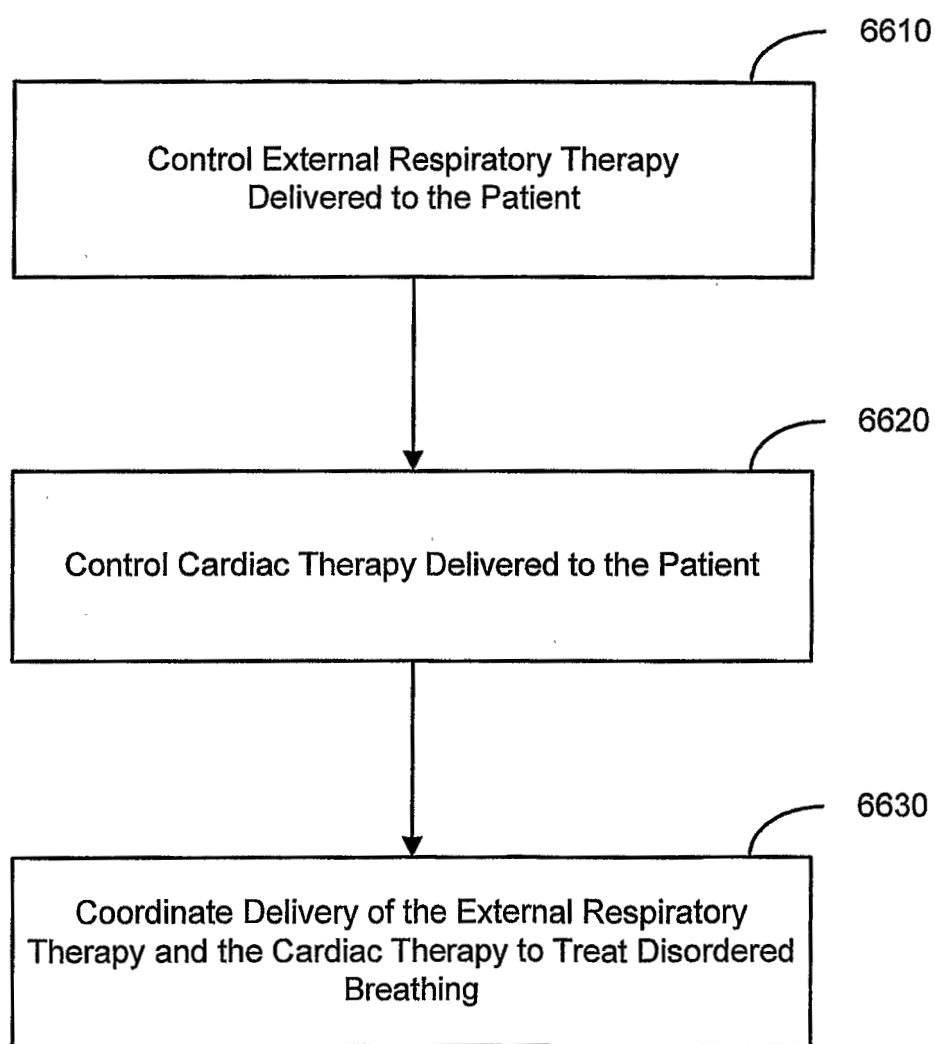


Figure 66A

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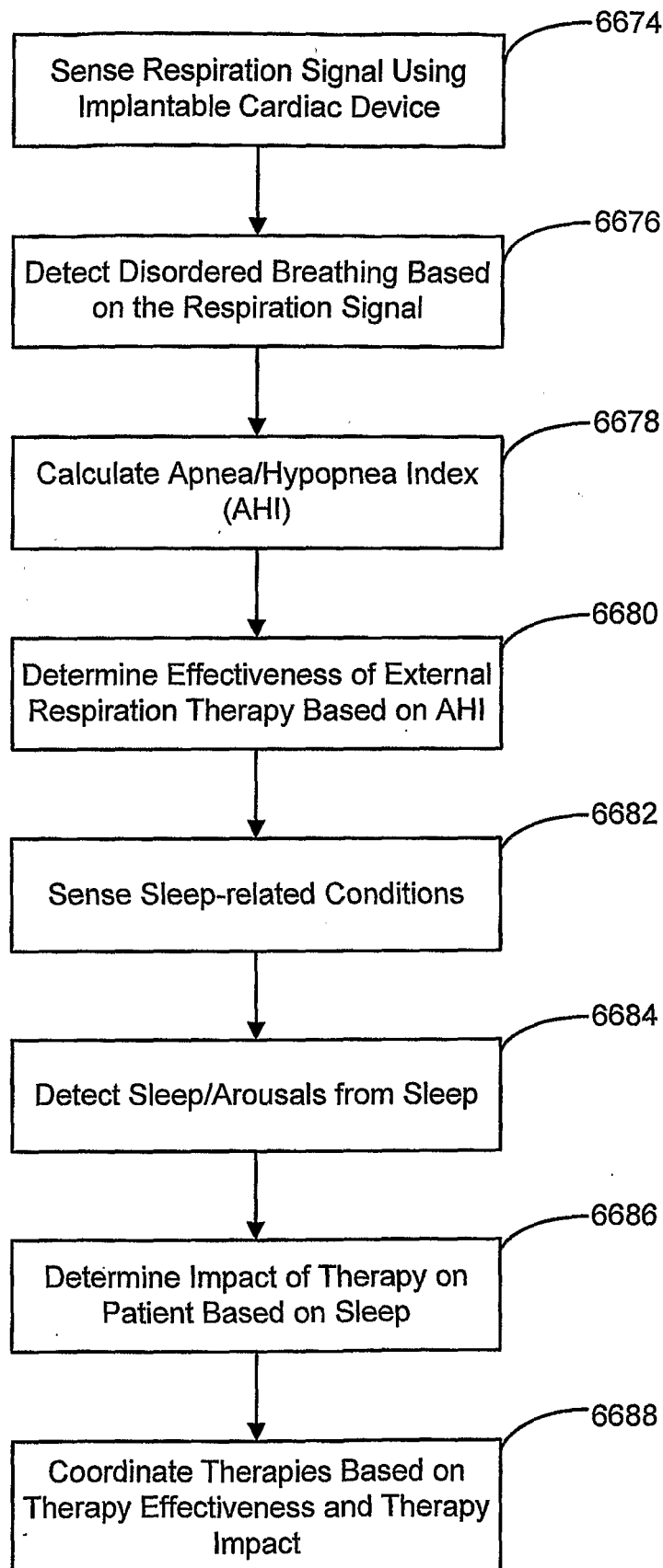


Figure 66B

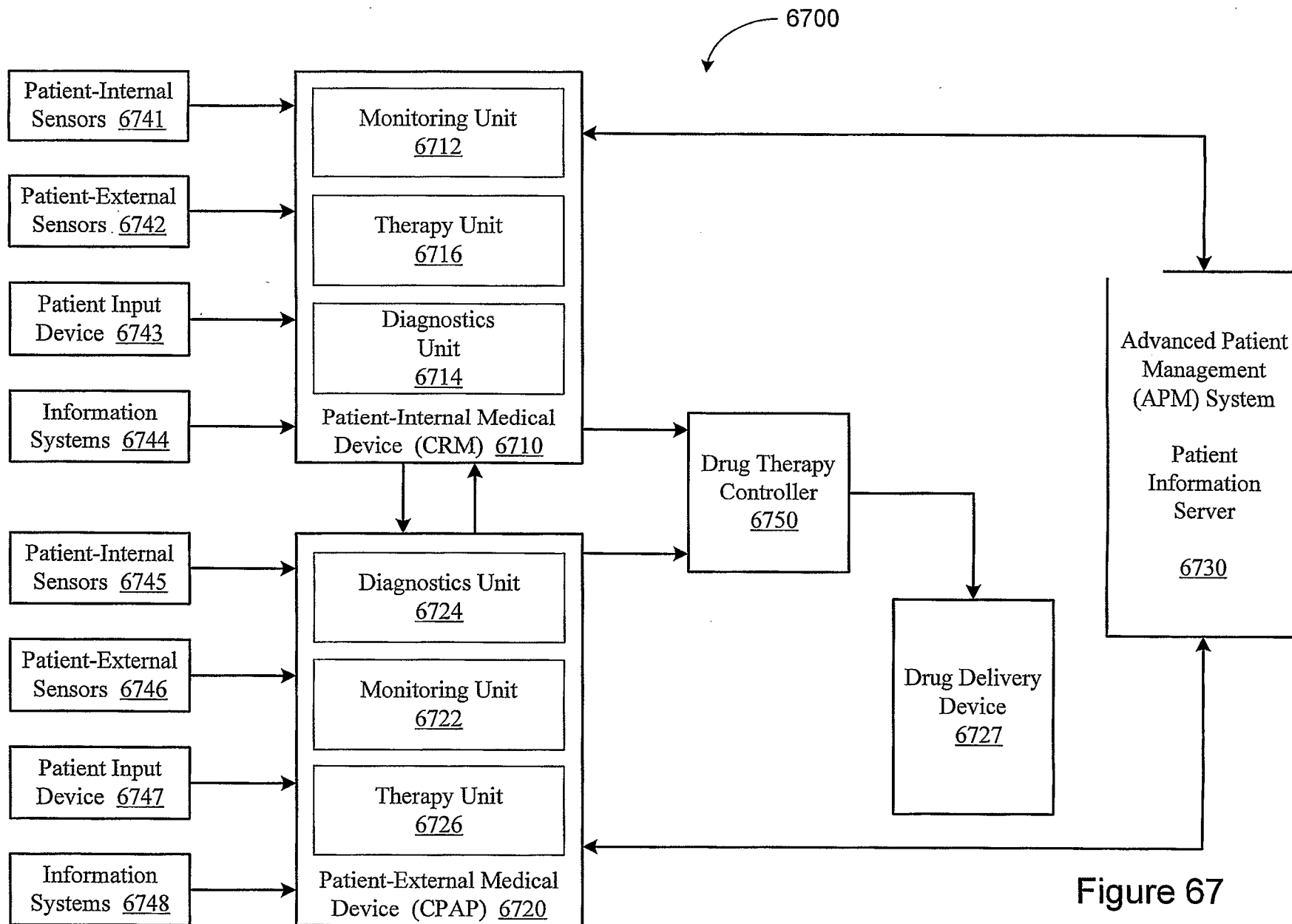


Figure 67

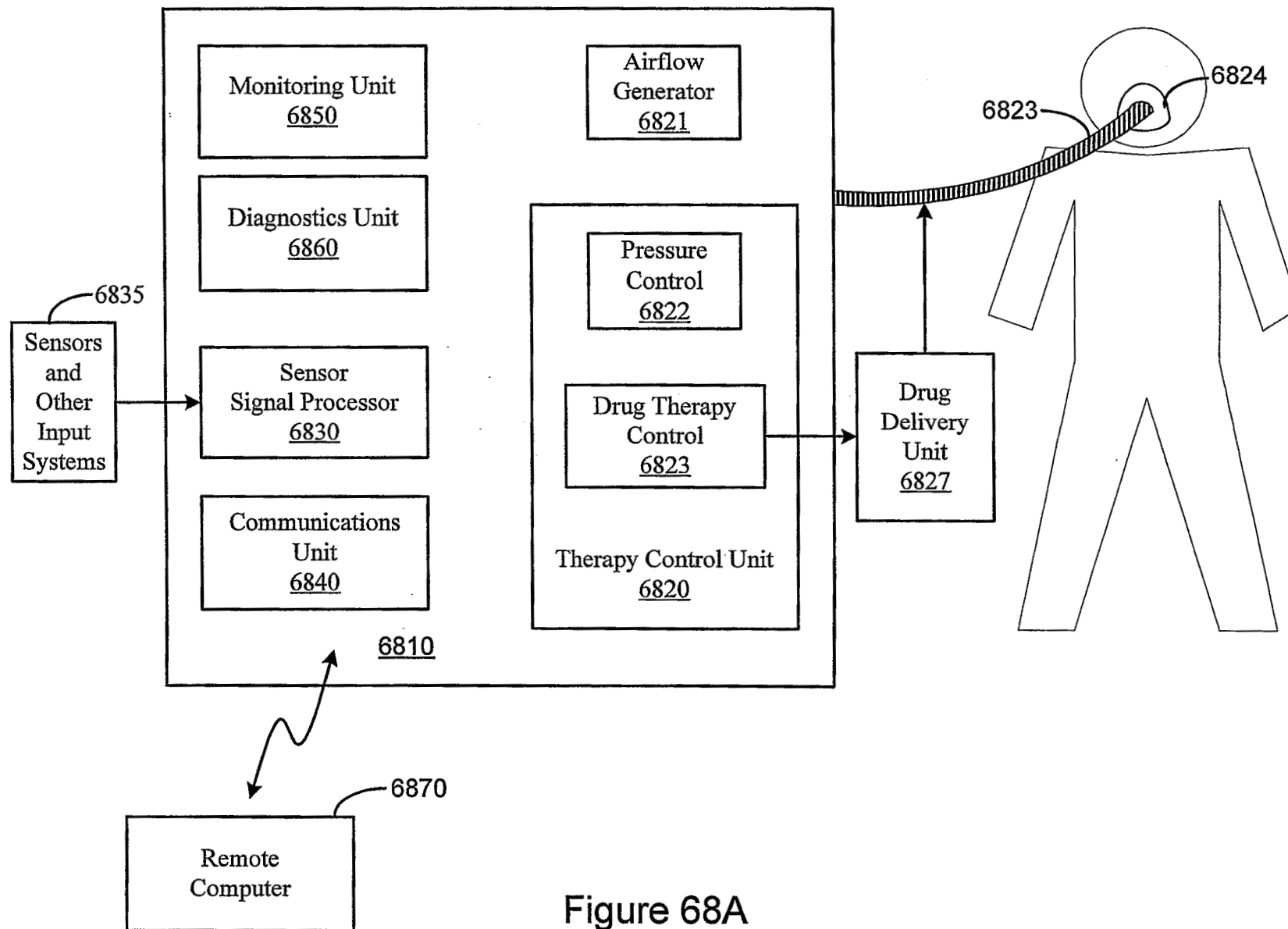


Figure 68A

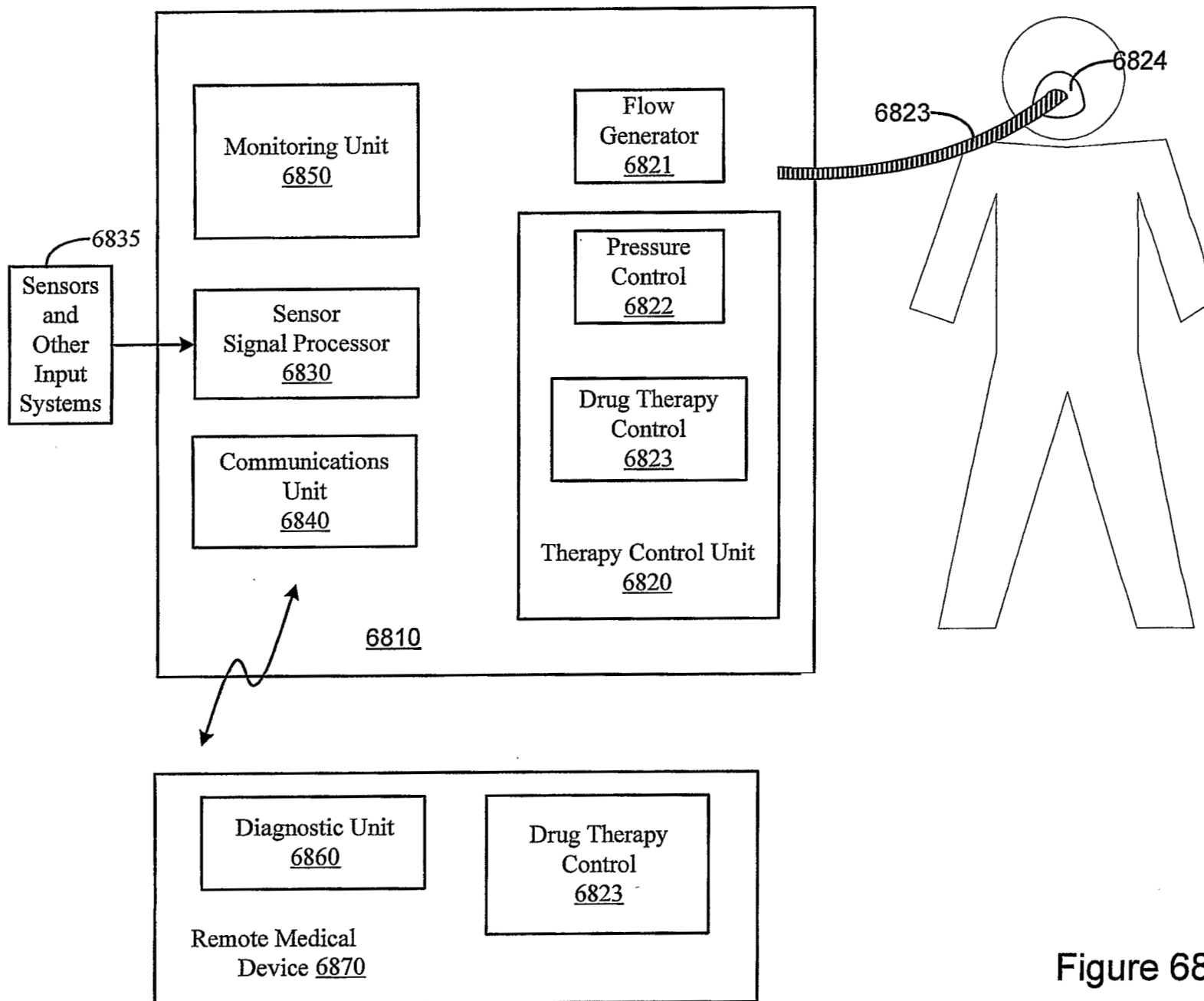


Figure 68B

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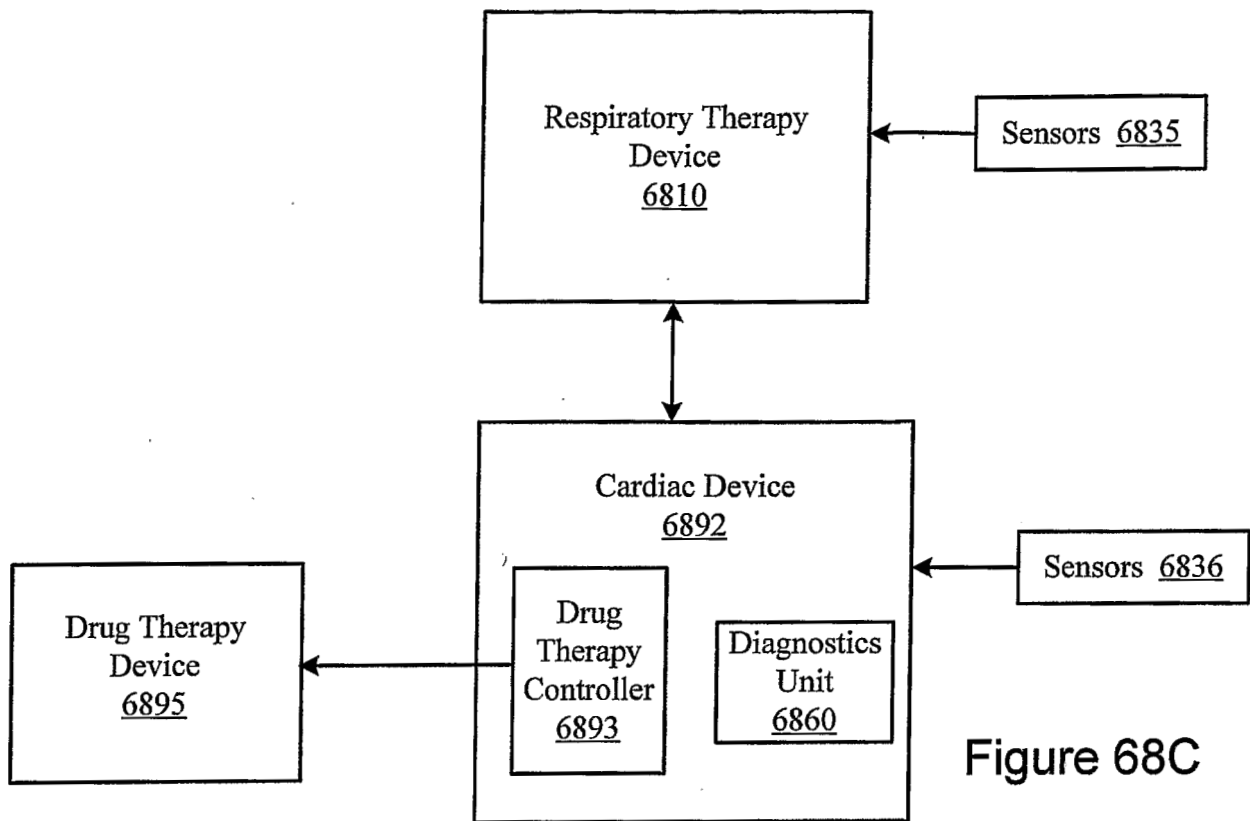


Figure 68C

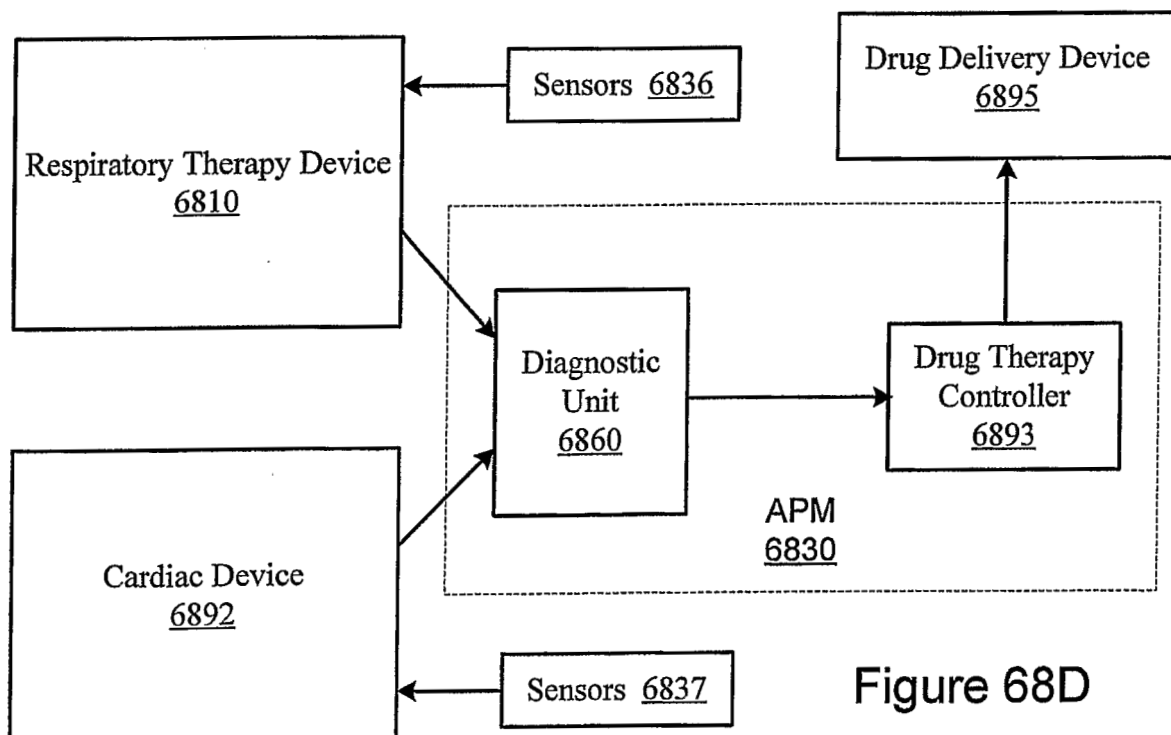


Figure 68D

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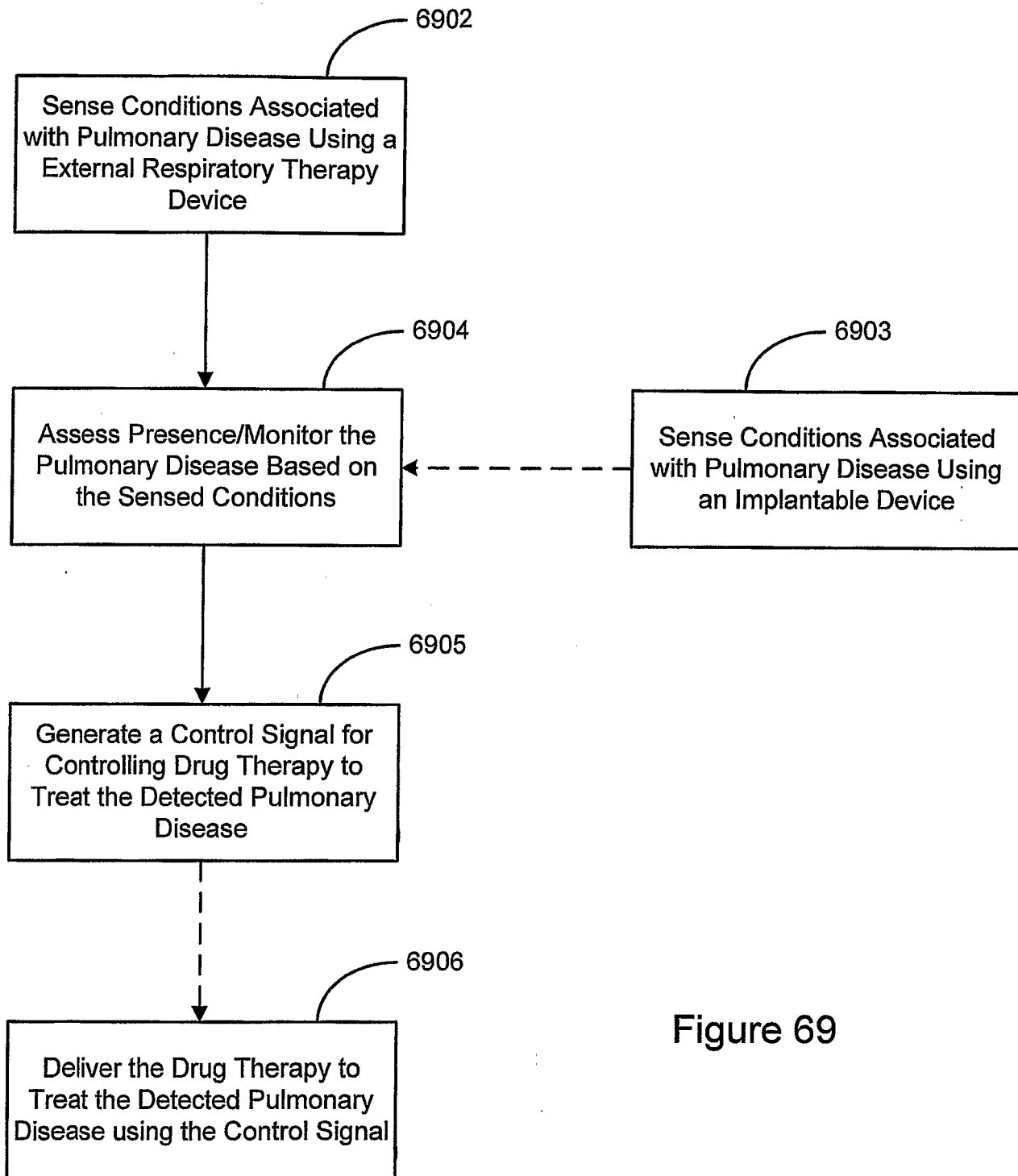
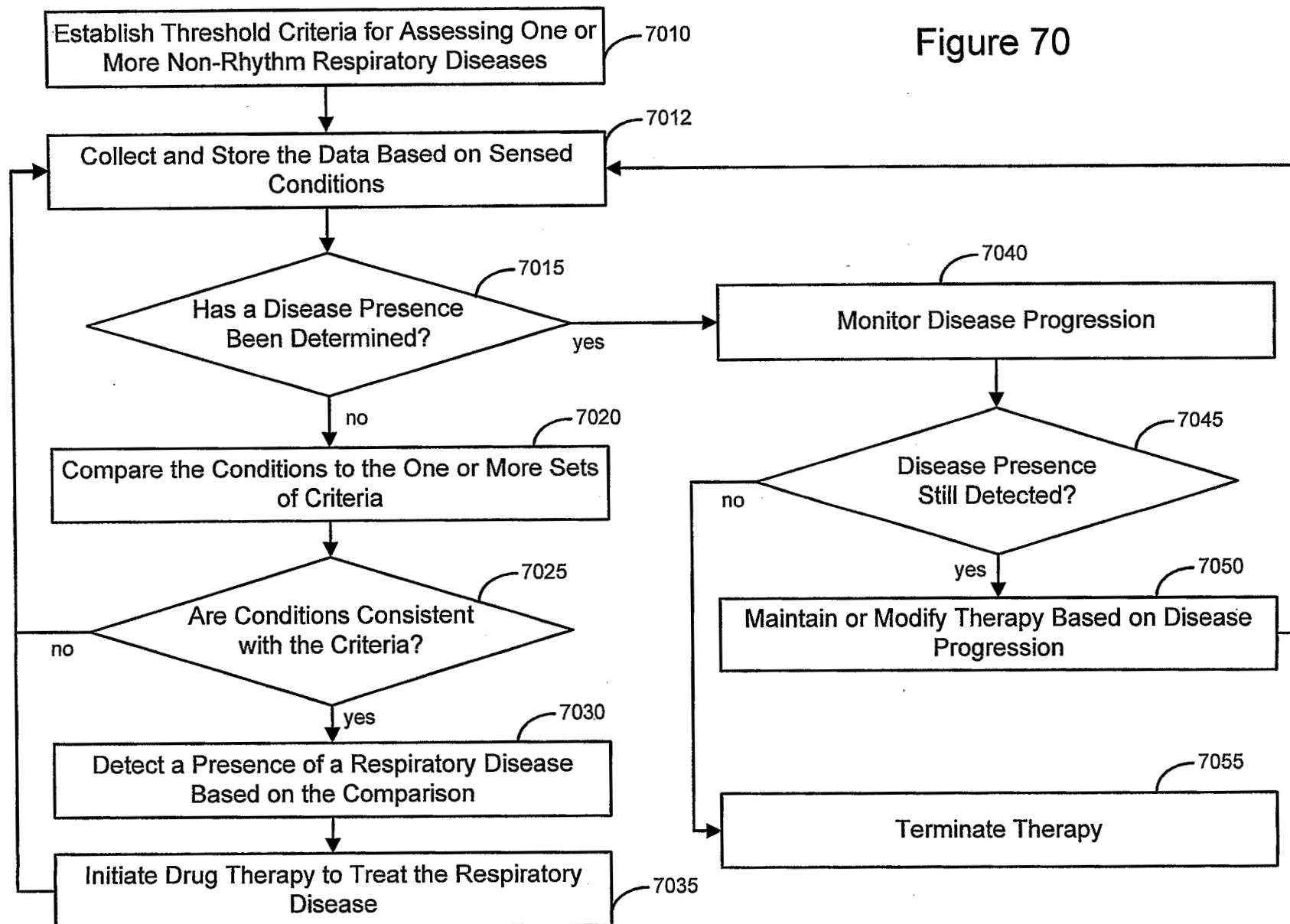


Figure 69

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Figure 70



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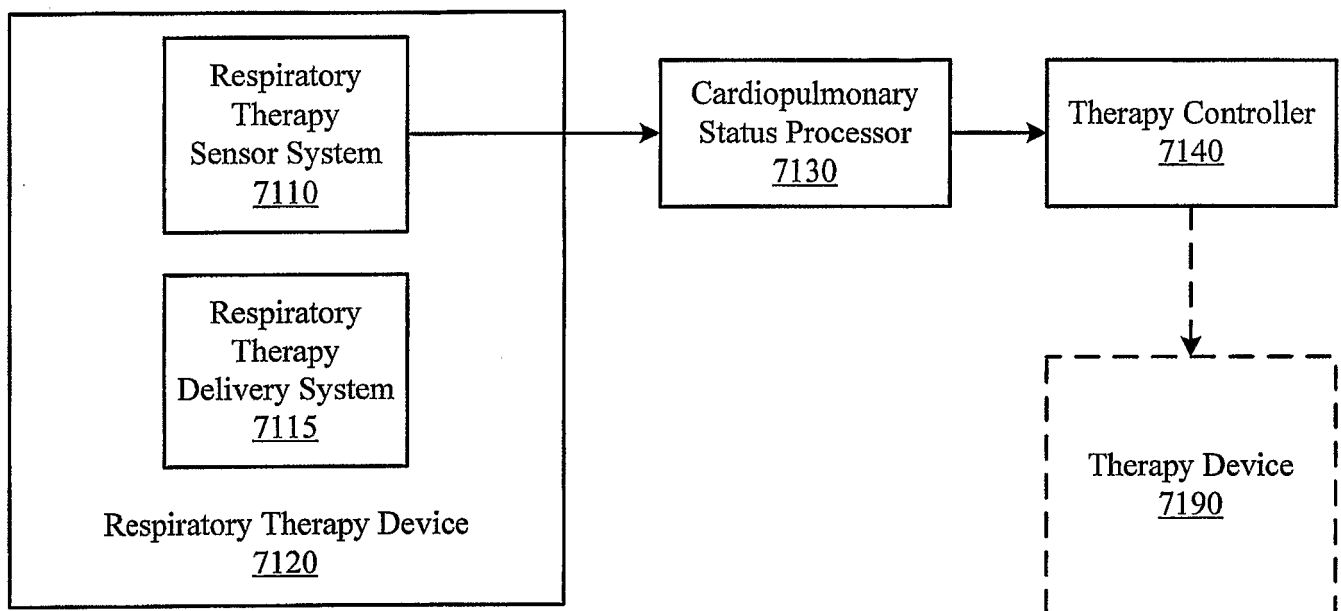
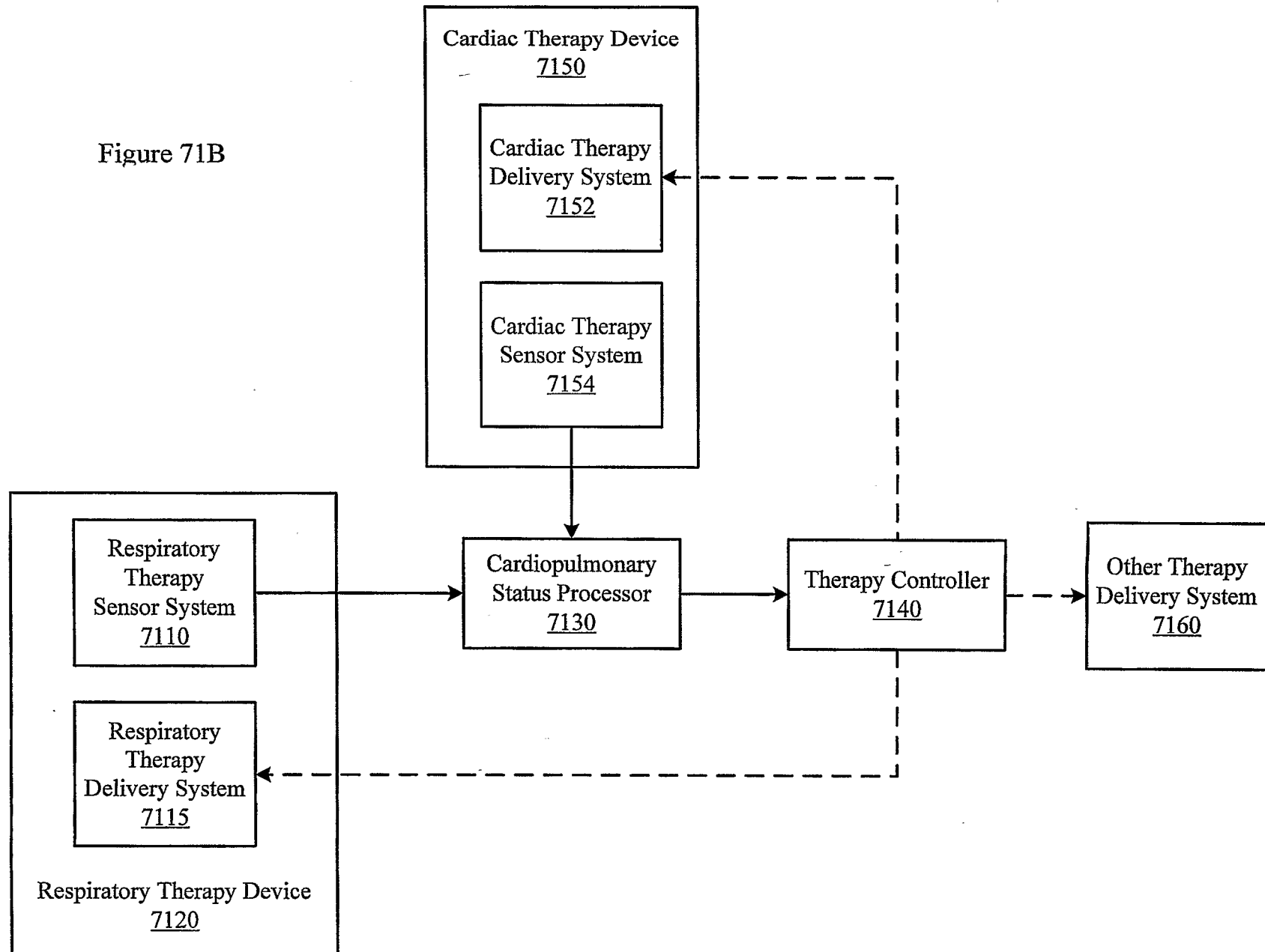


Figure 71A

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Figure 71B



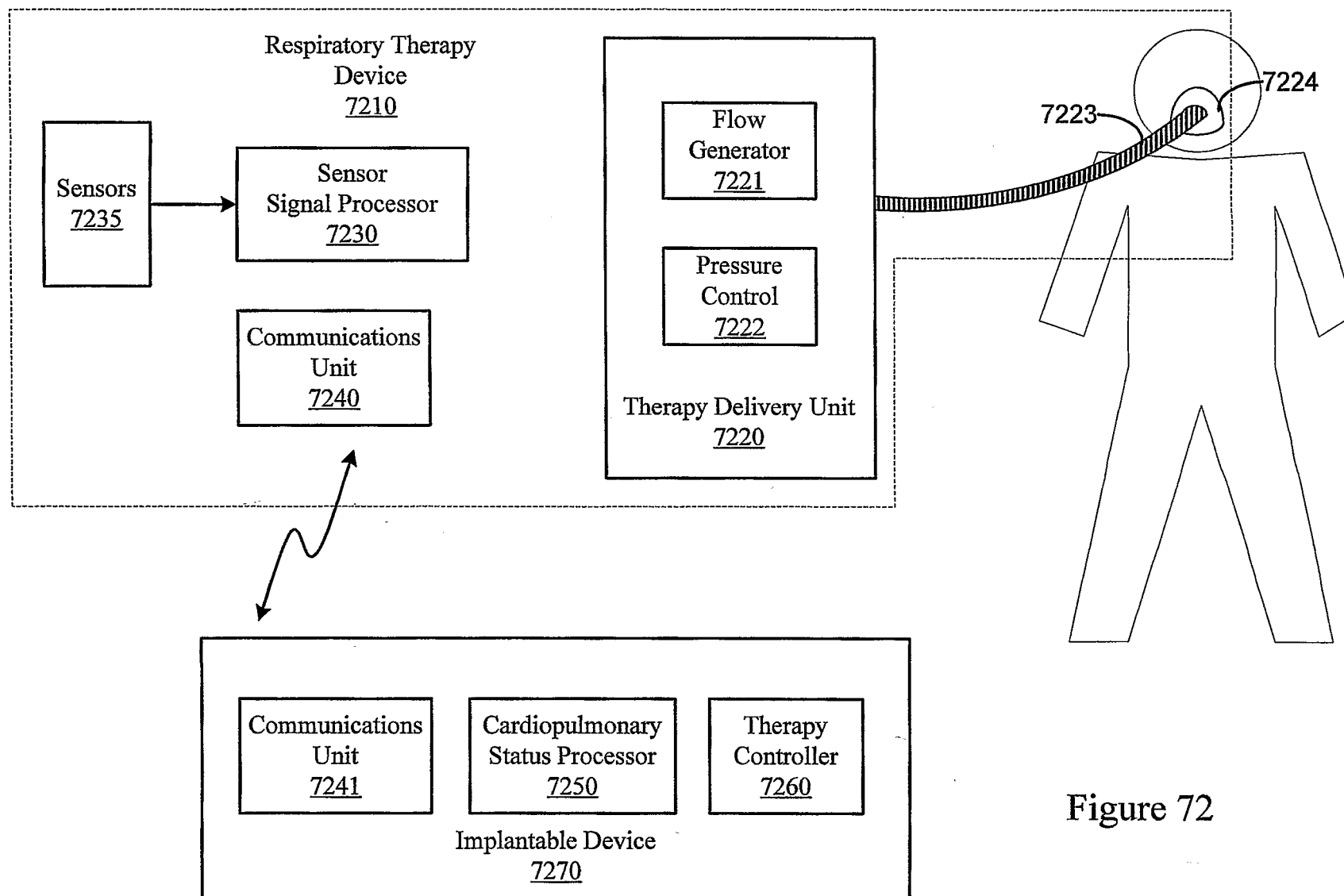


Figure 72

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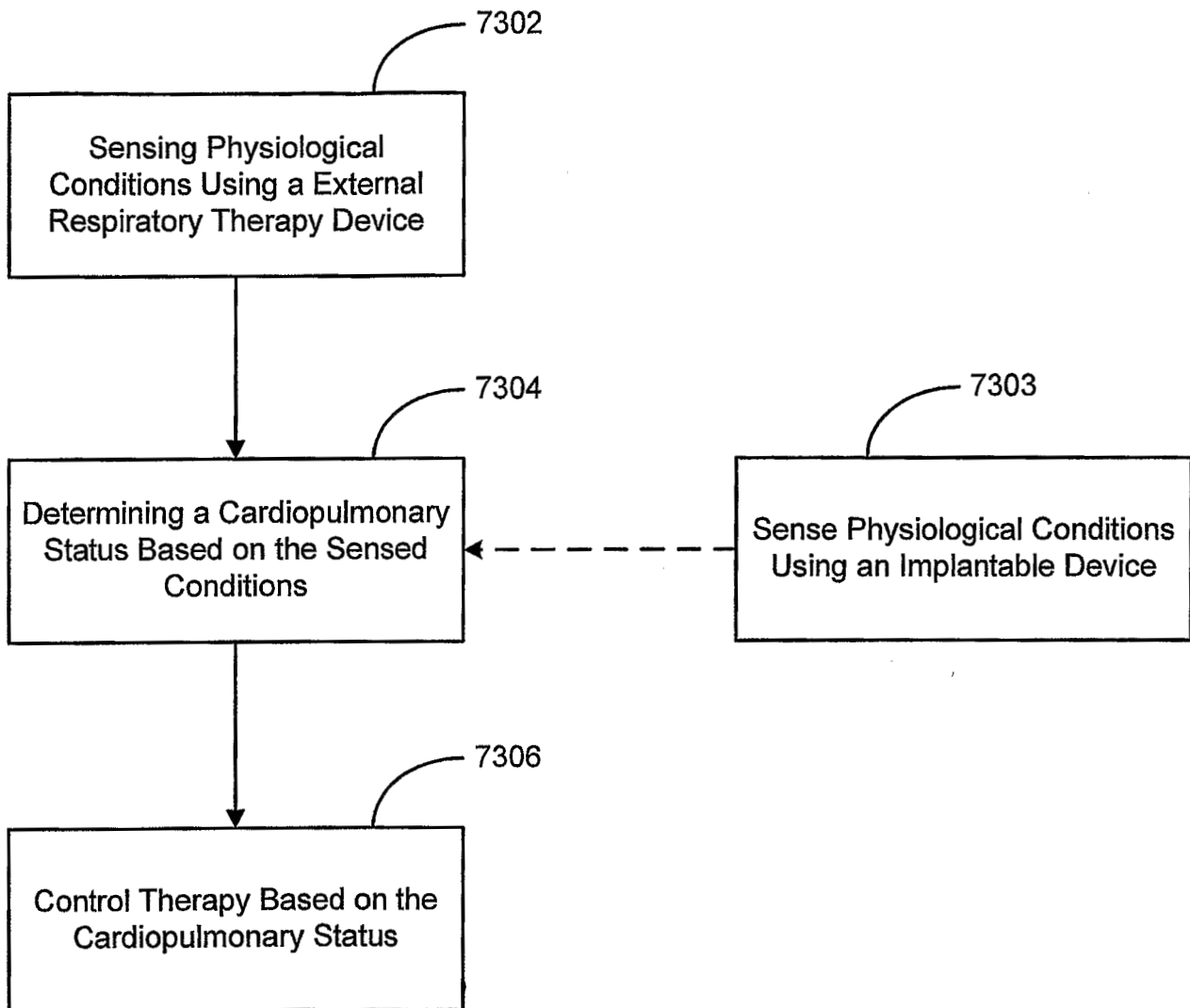
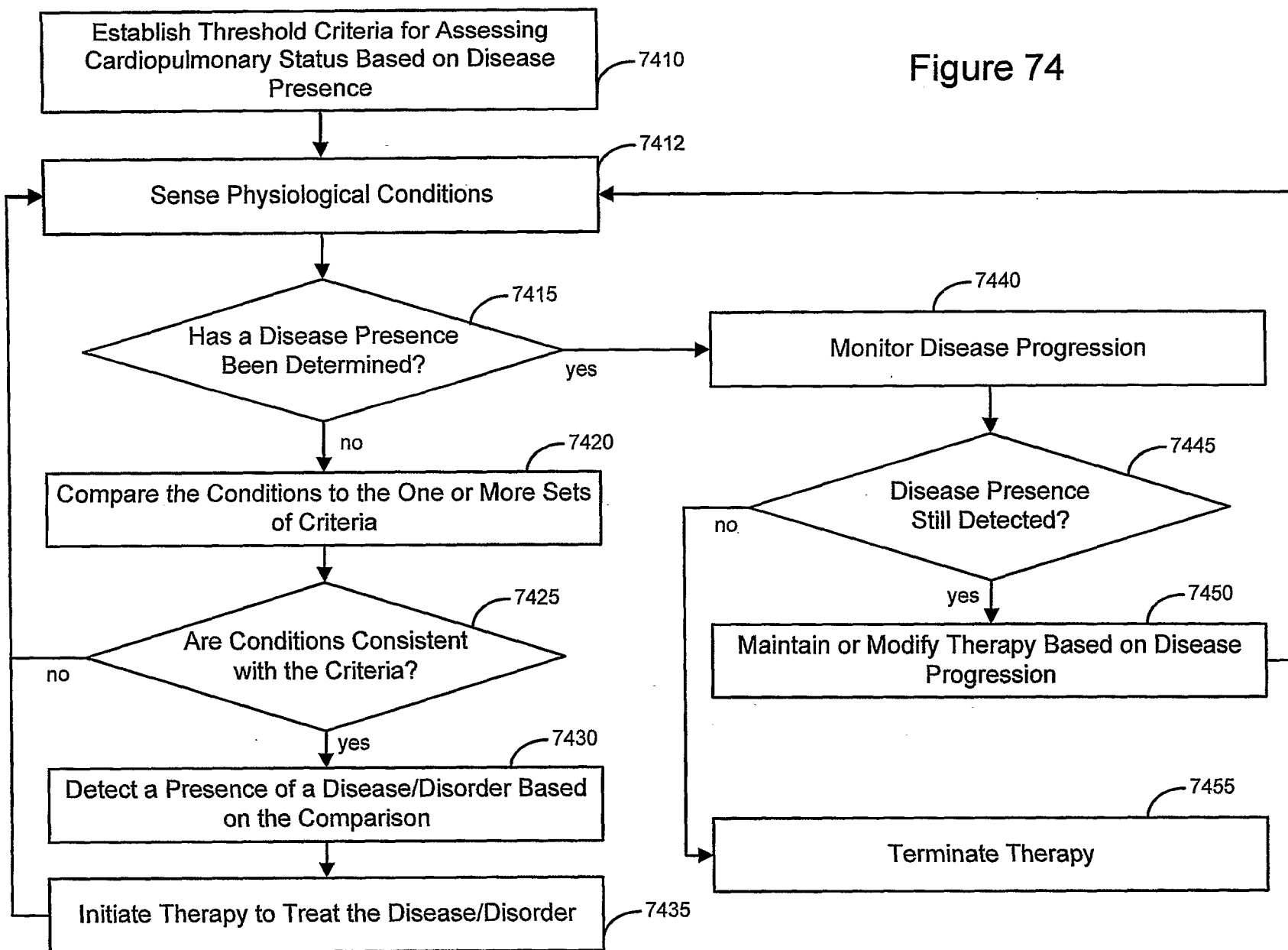


Figure 73

Figure 74



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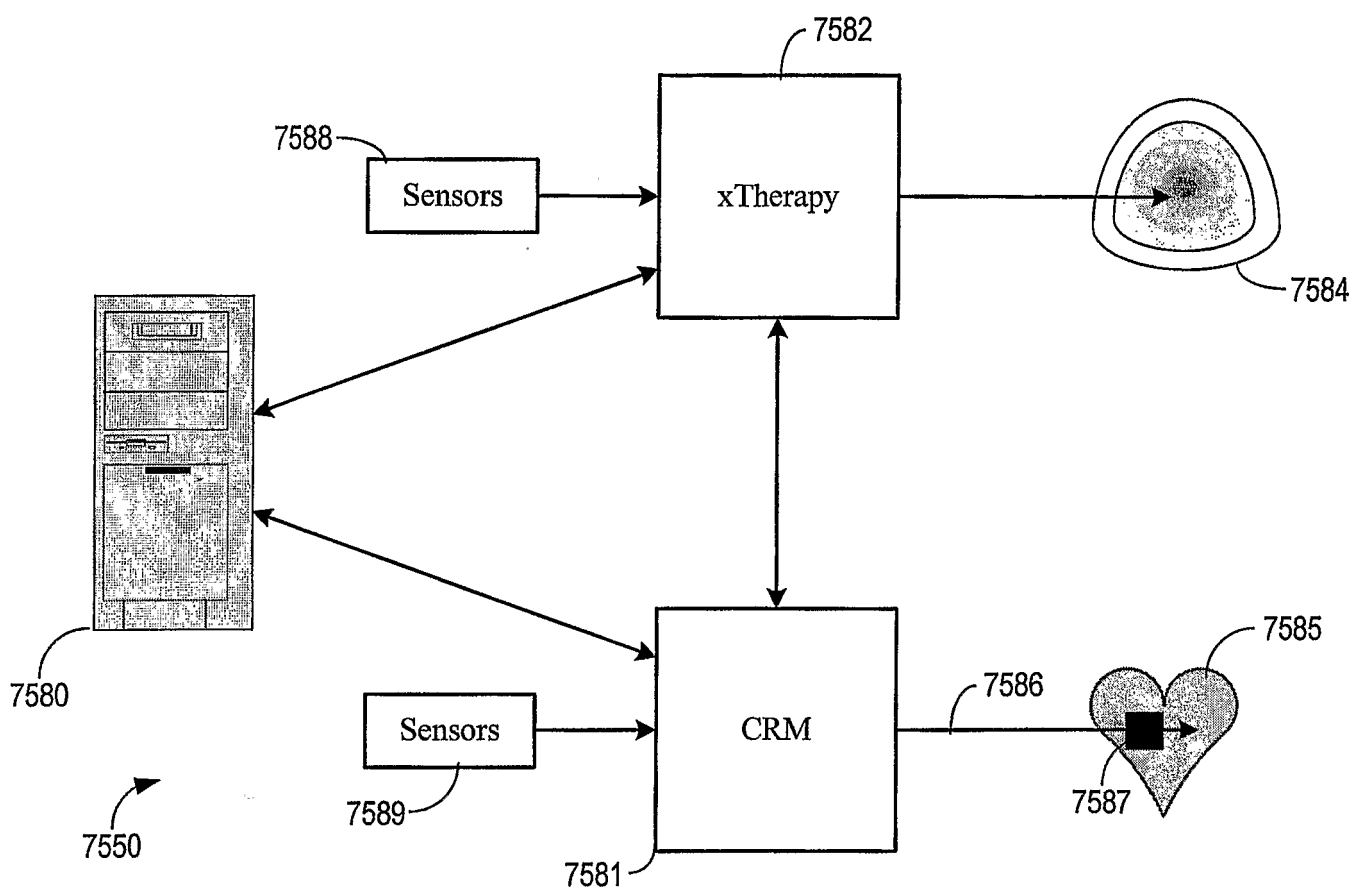


Fig. 75

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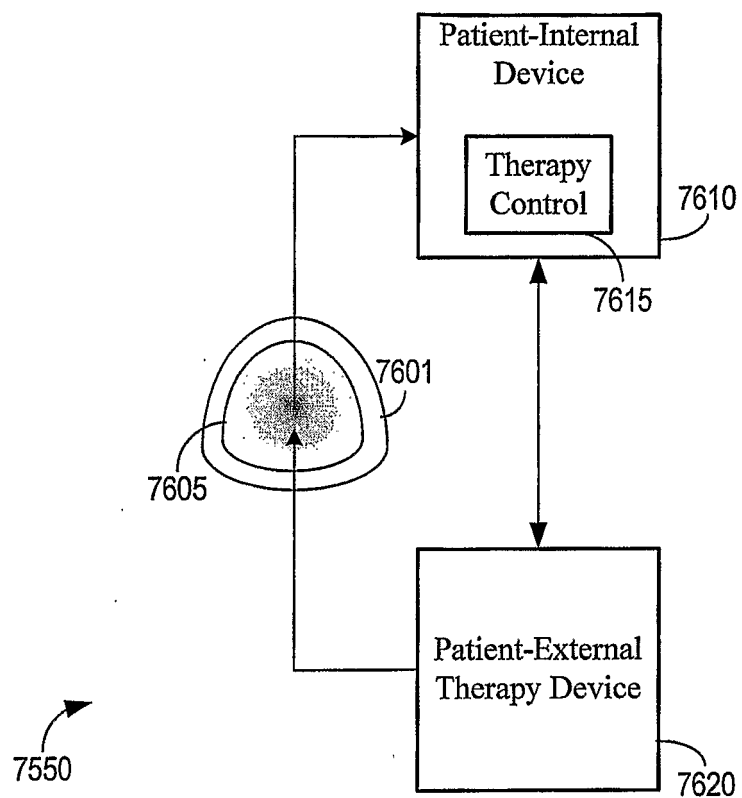


Fig. 76

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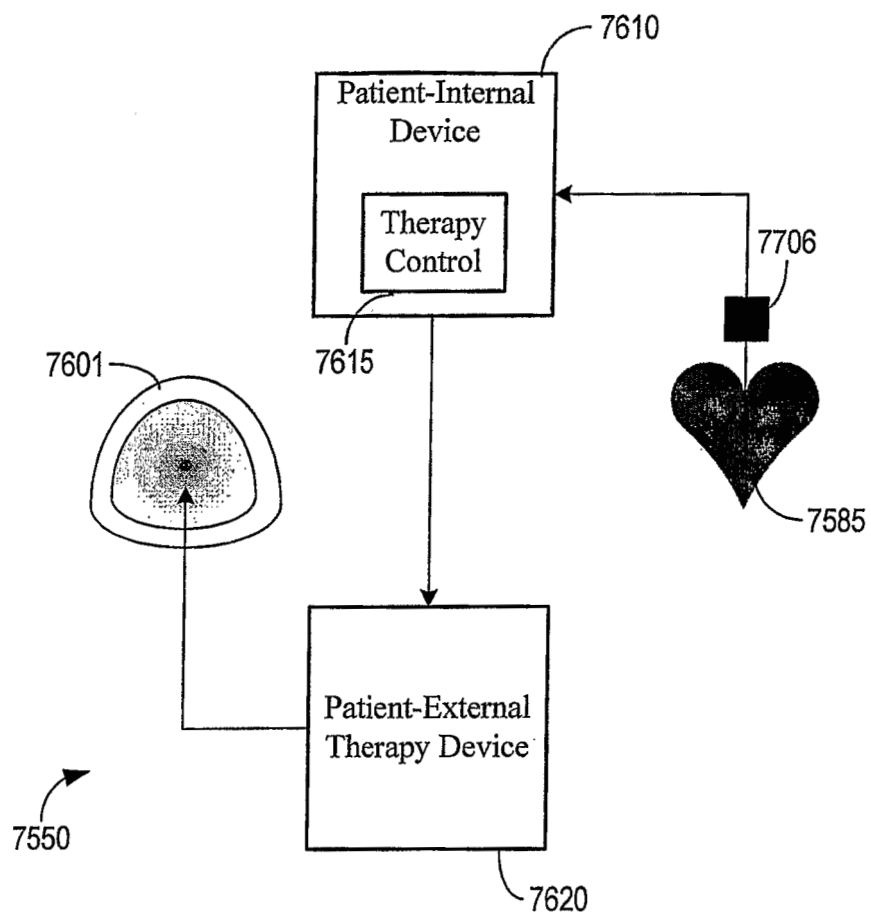


Fig. 77A

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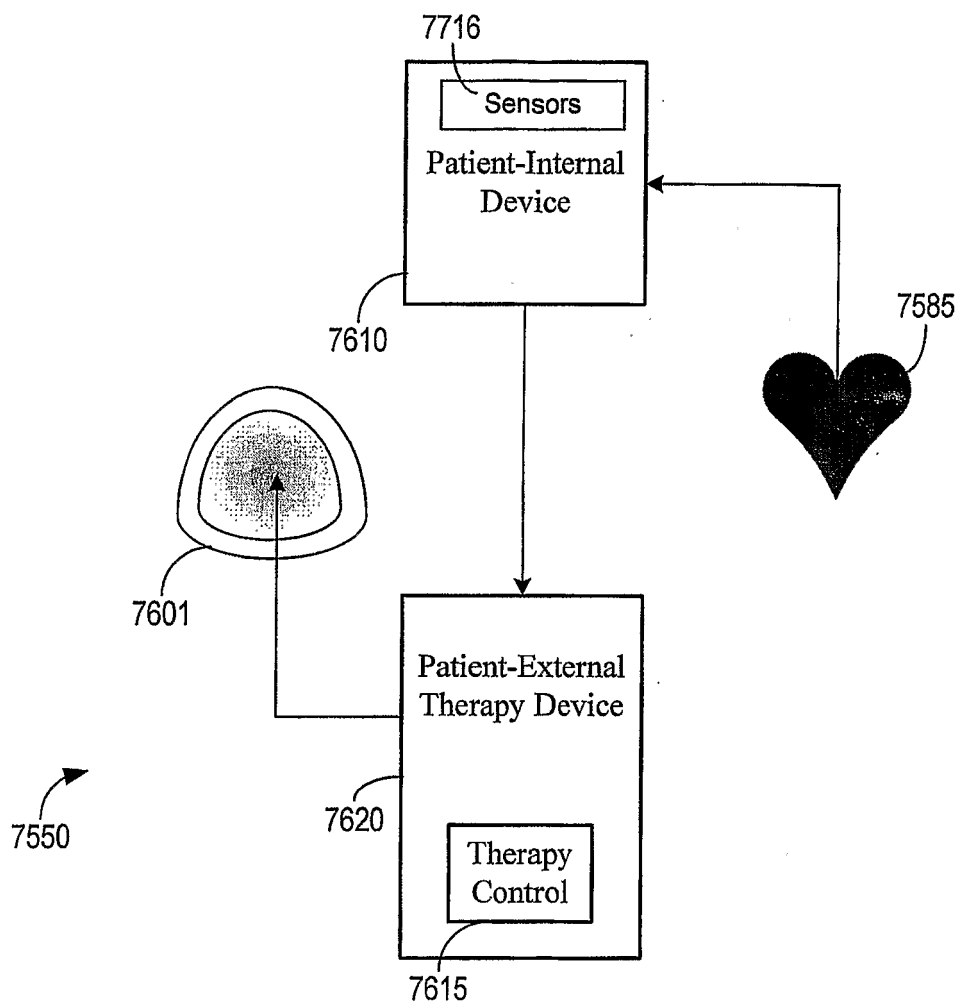


Fig. 77B

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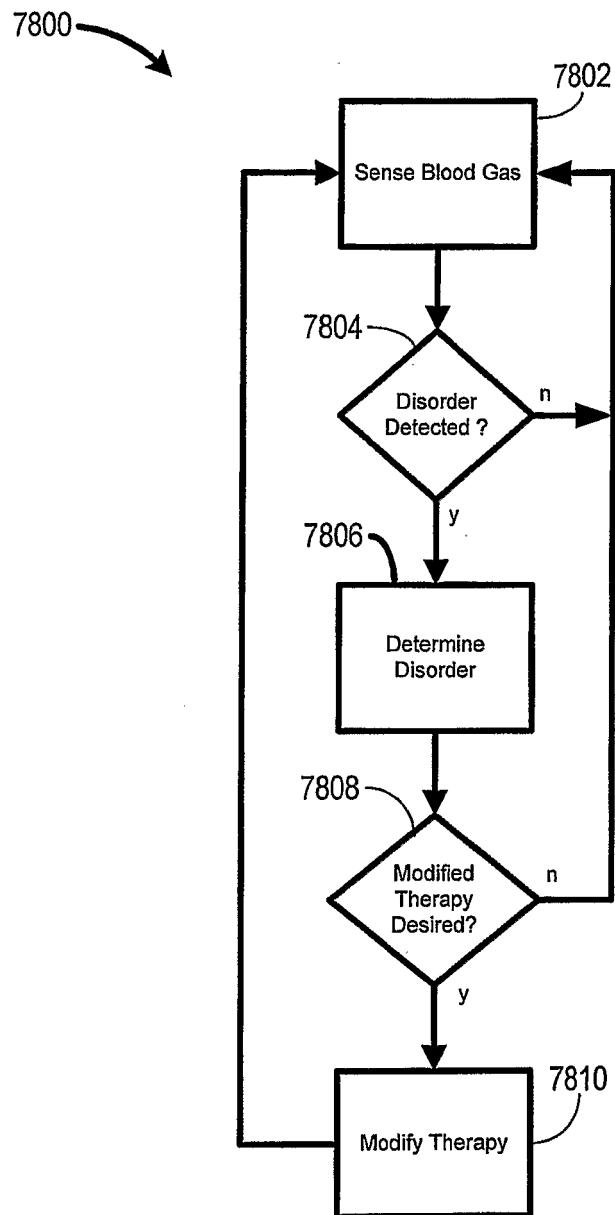


Fig. 78

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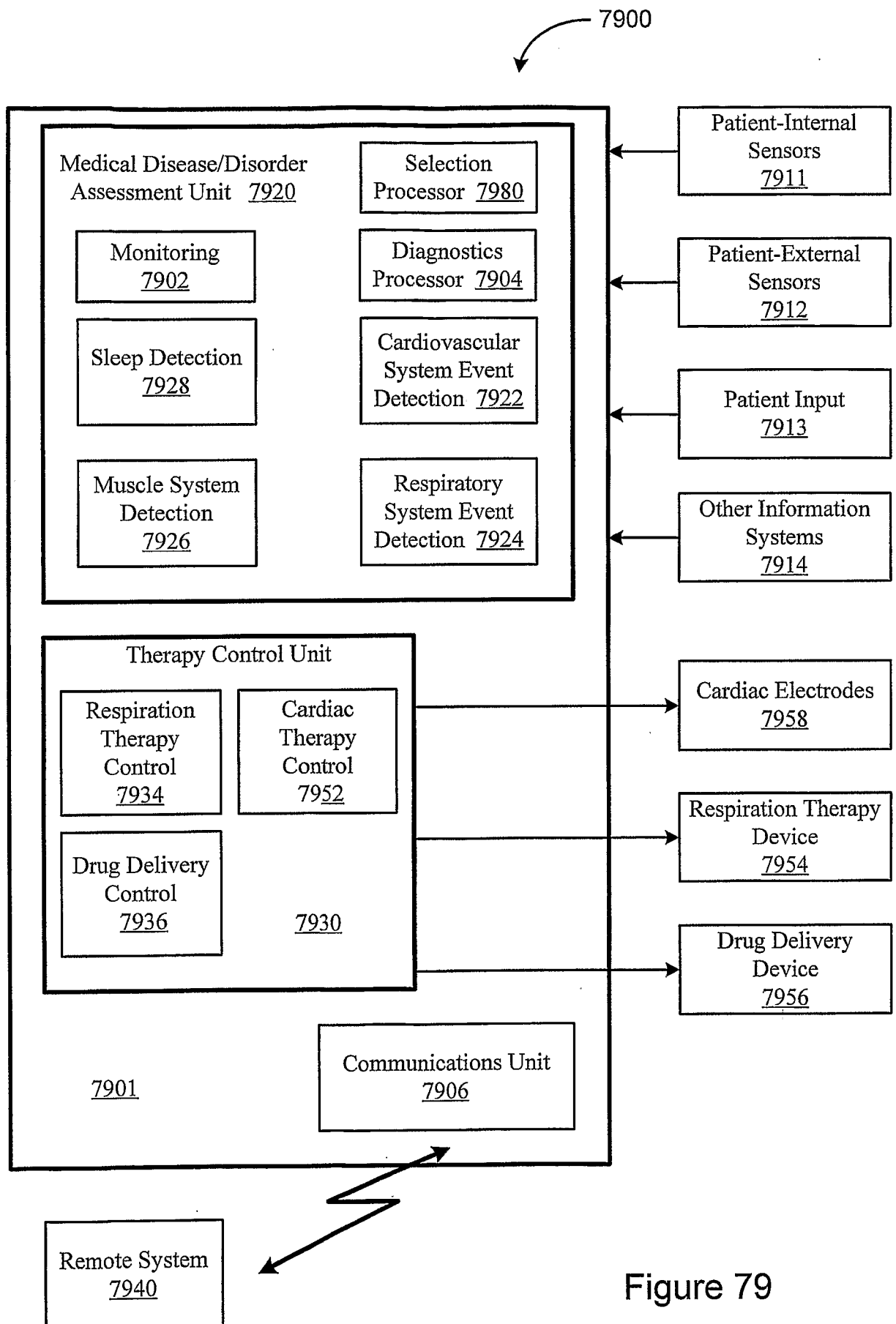


Figure 79

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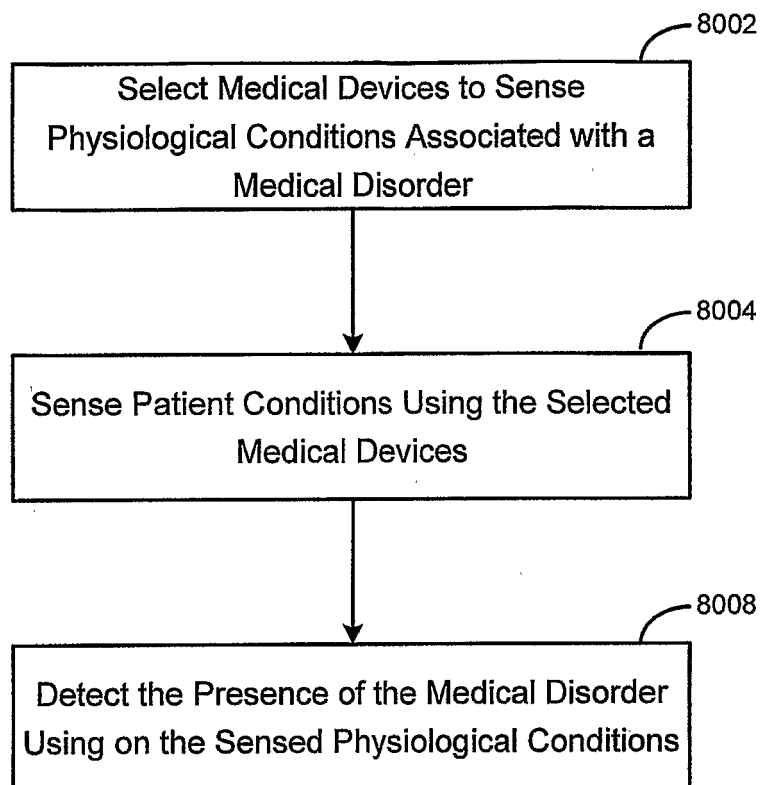
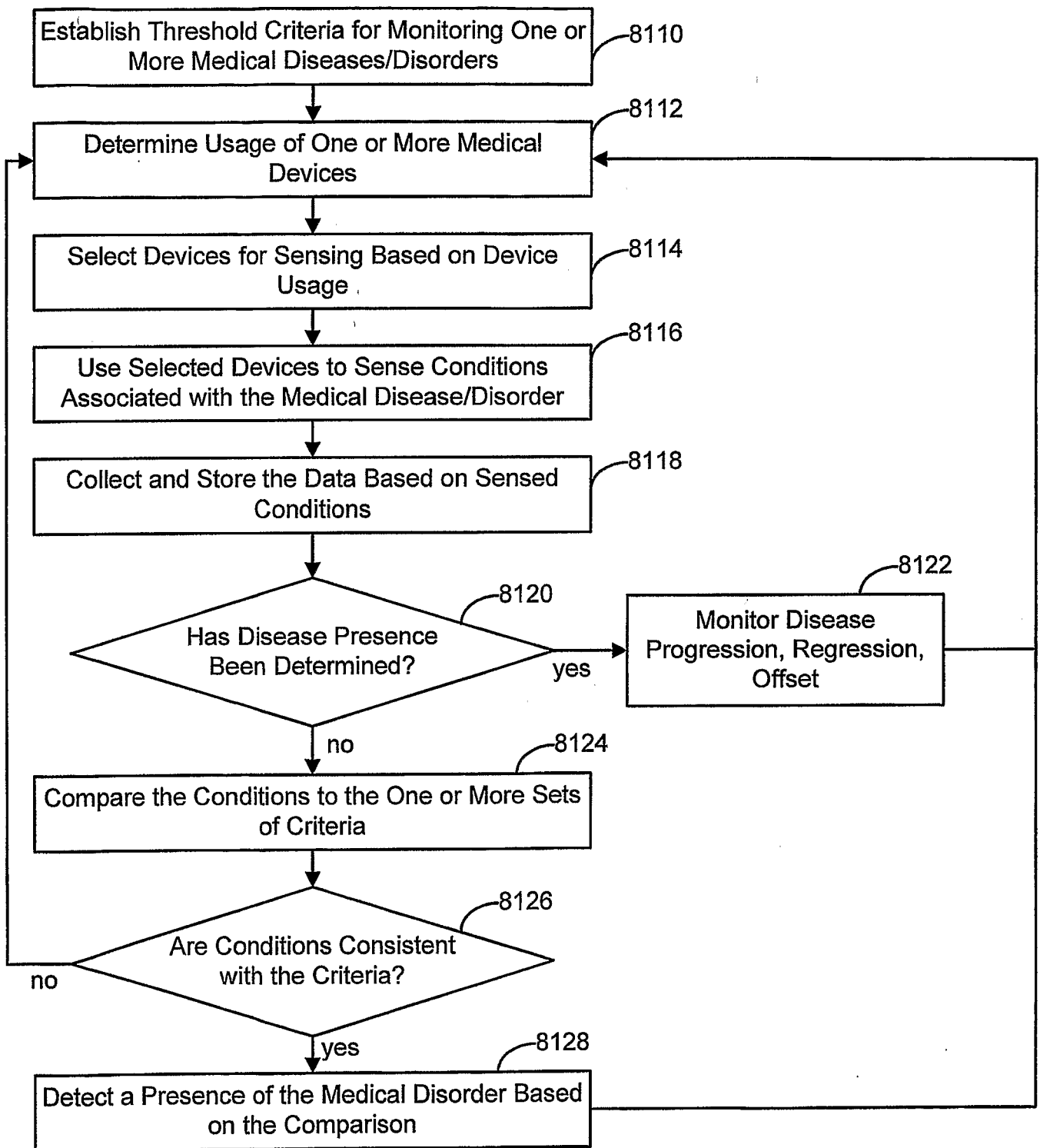


Figure 80

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Figure 81



WO 2005/028029

PCT/US2004/030787

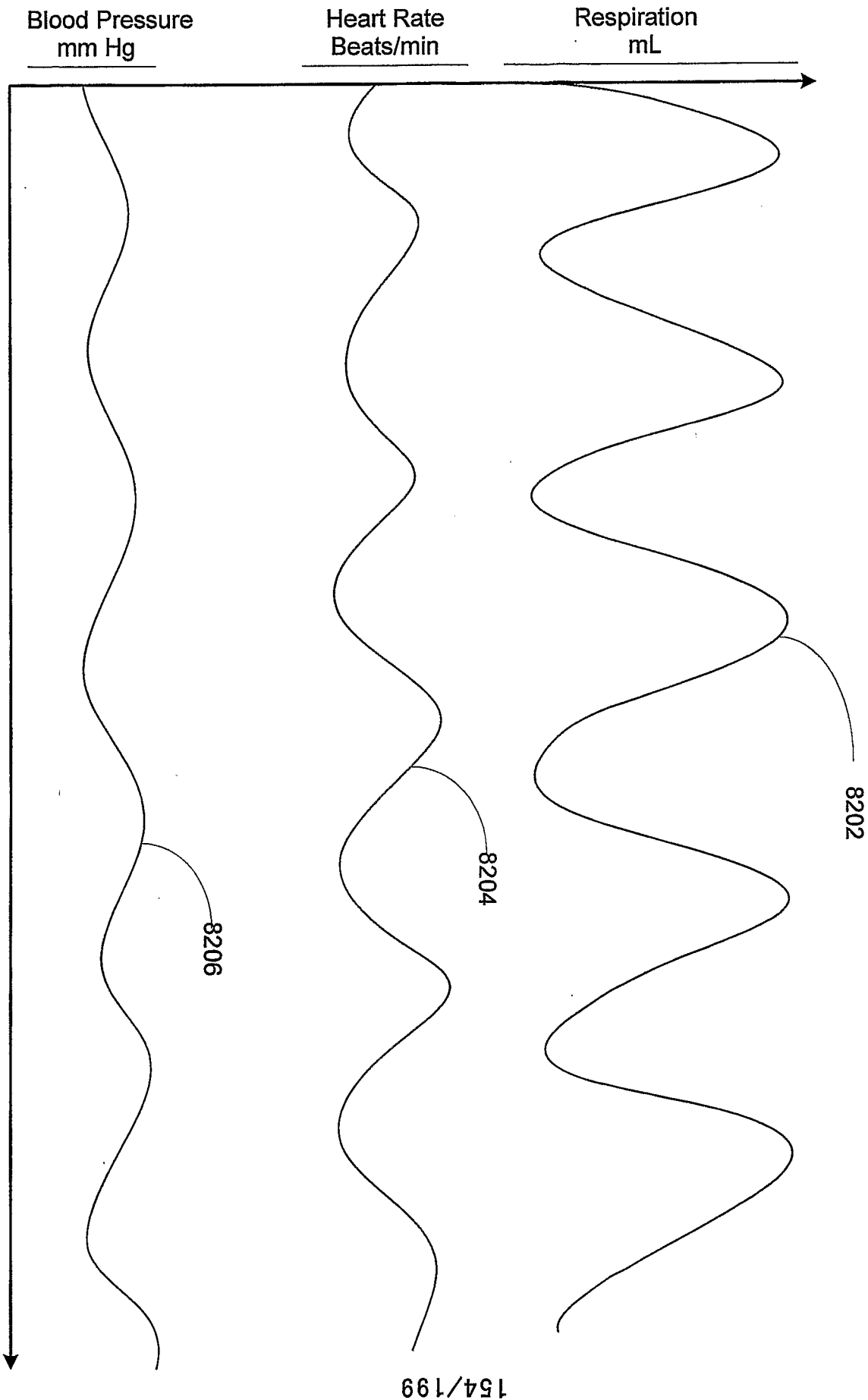


Figure 82

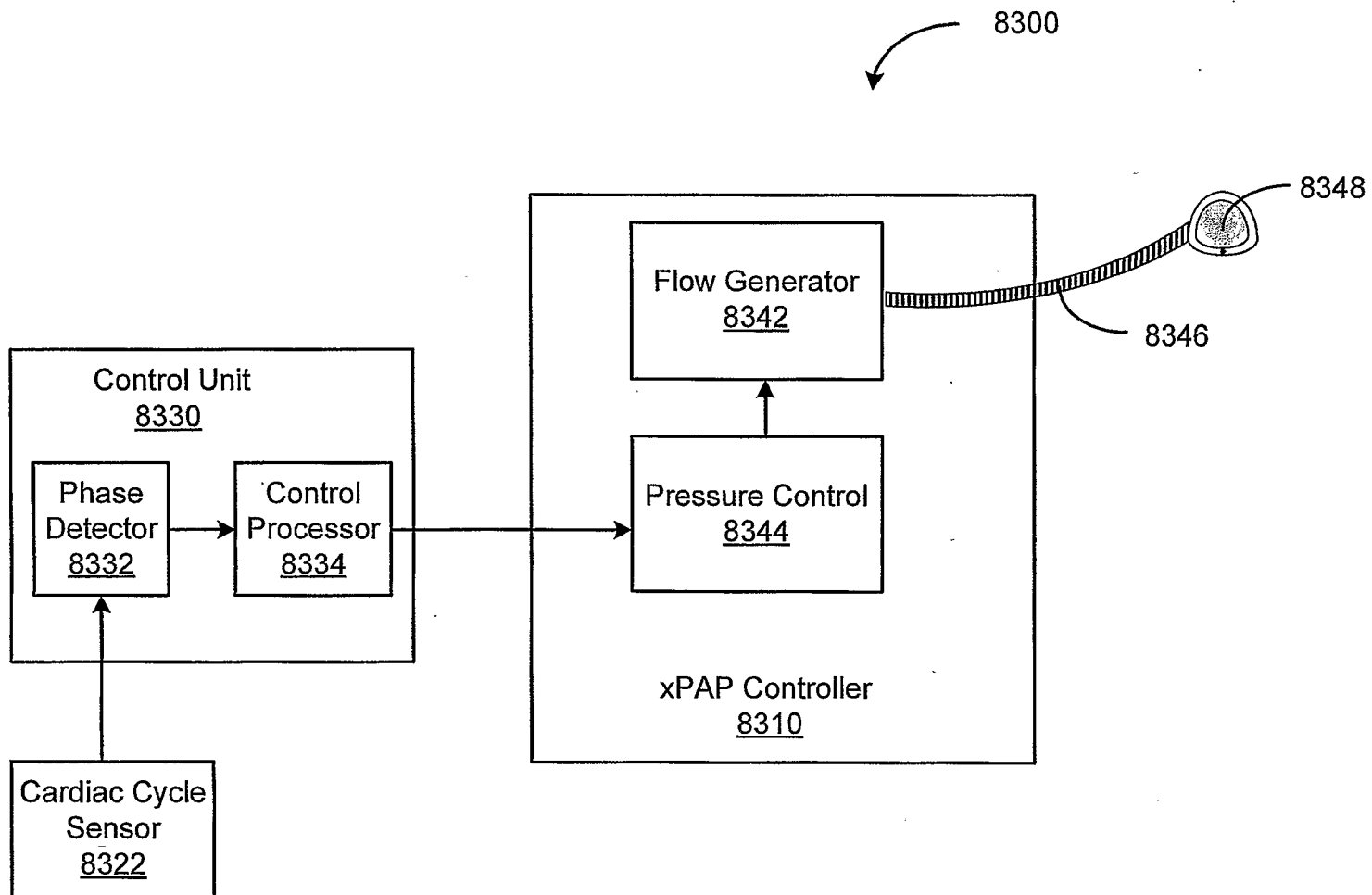


Figure 83A

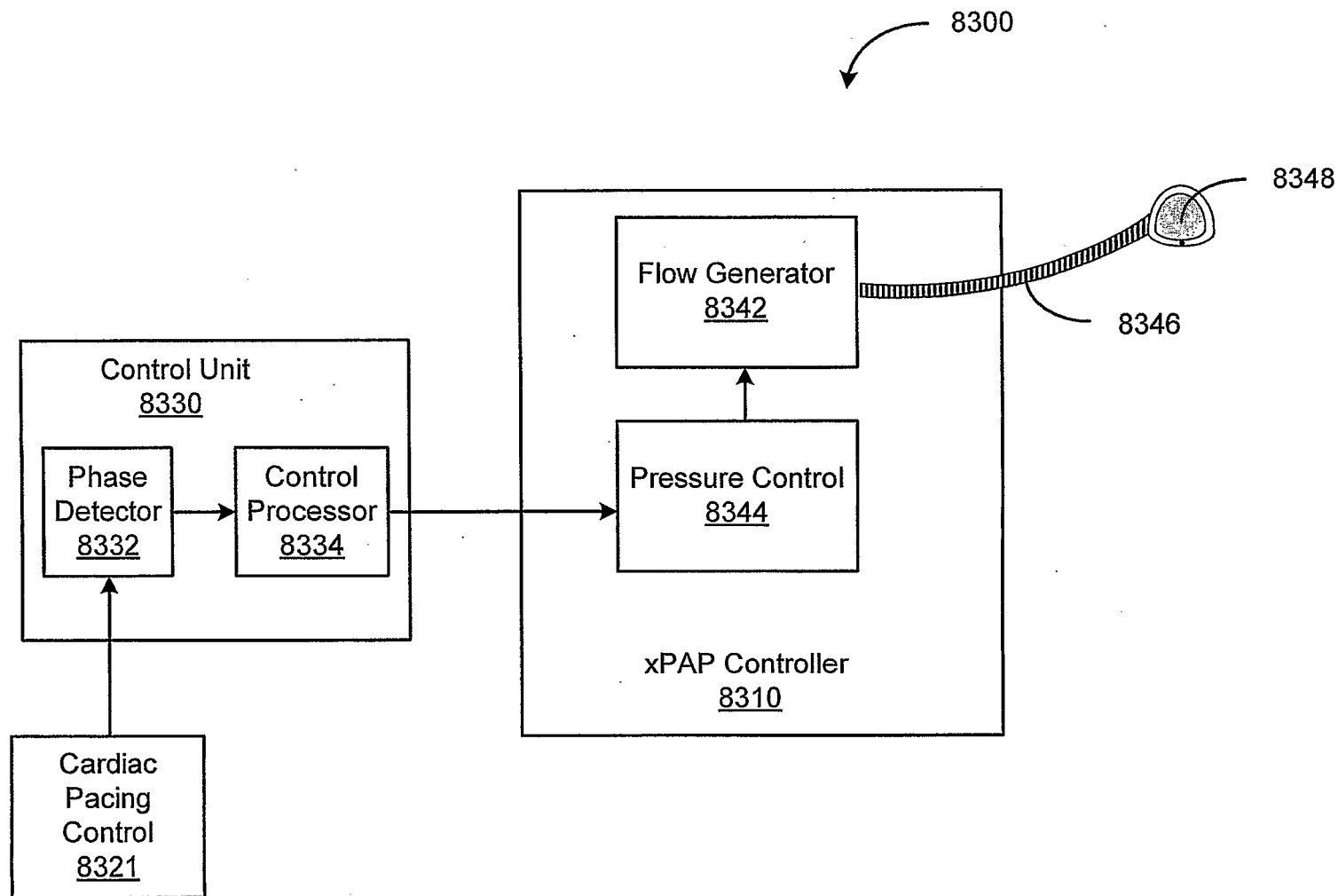


Figure 83B

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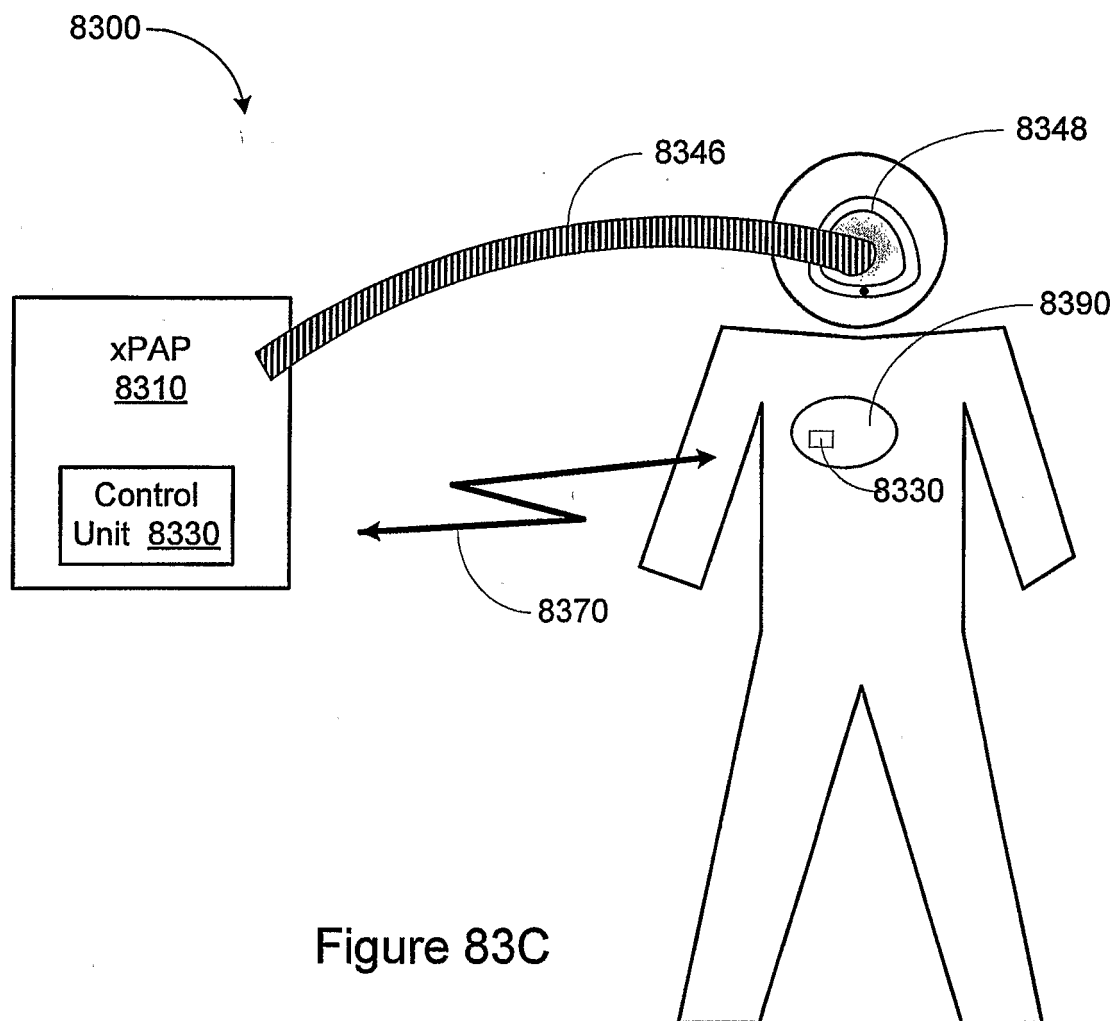


Figure 83C

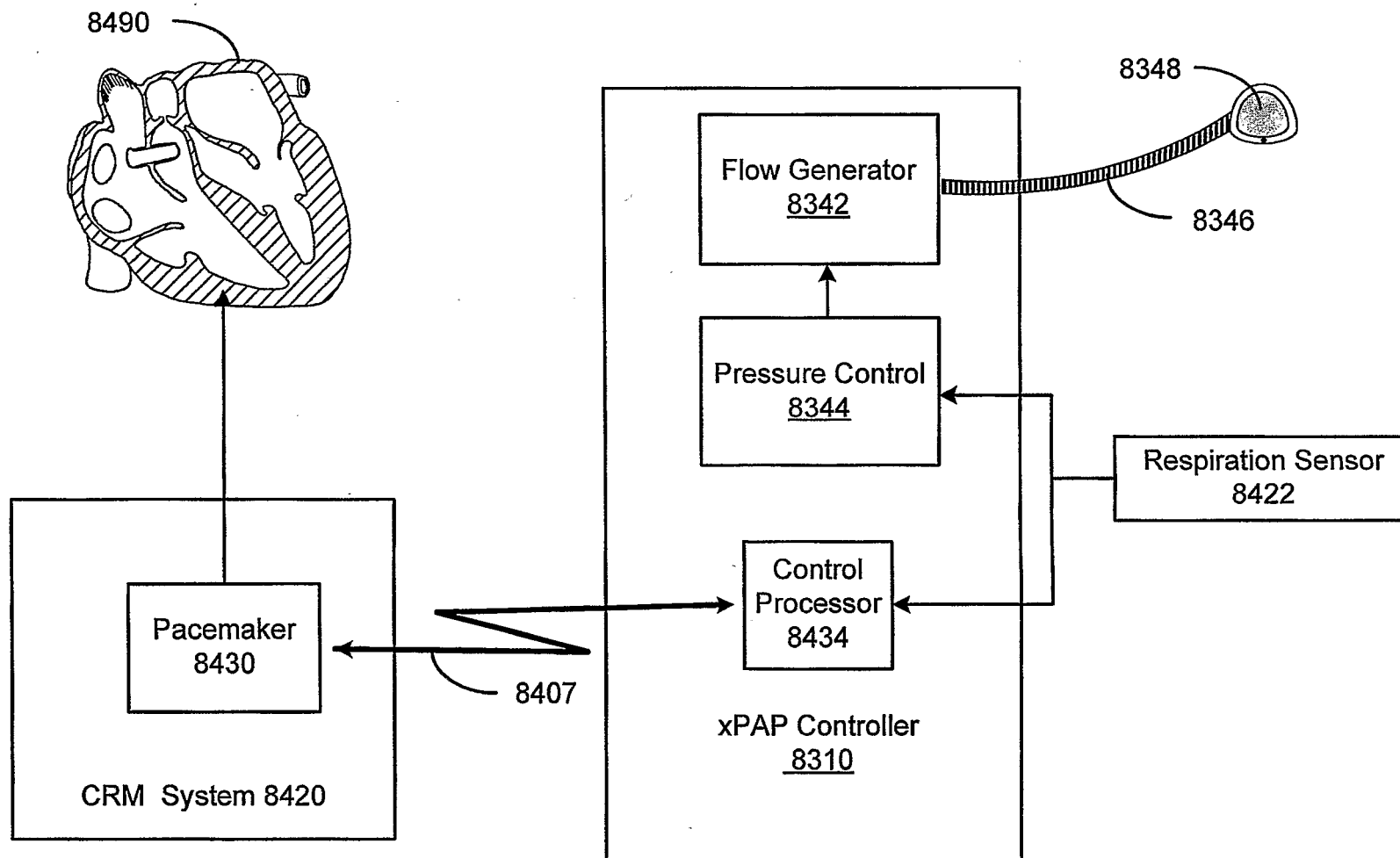


Figure 84A

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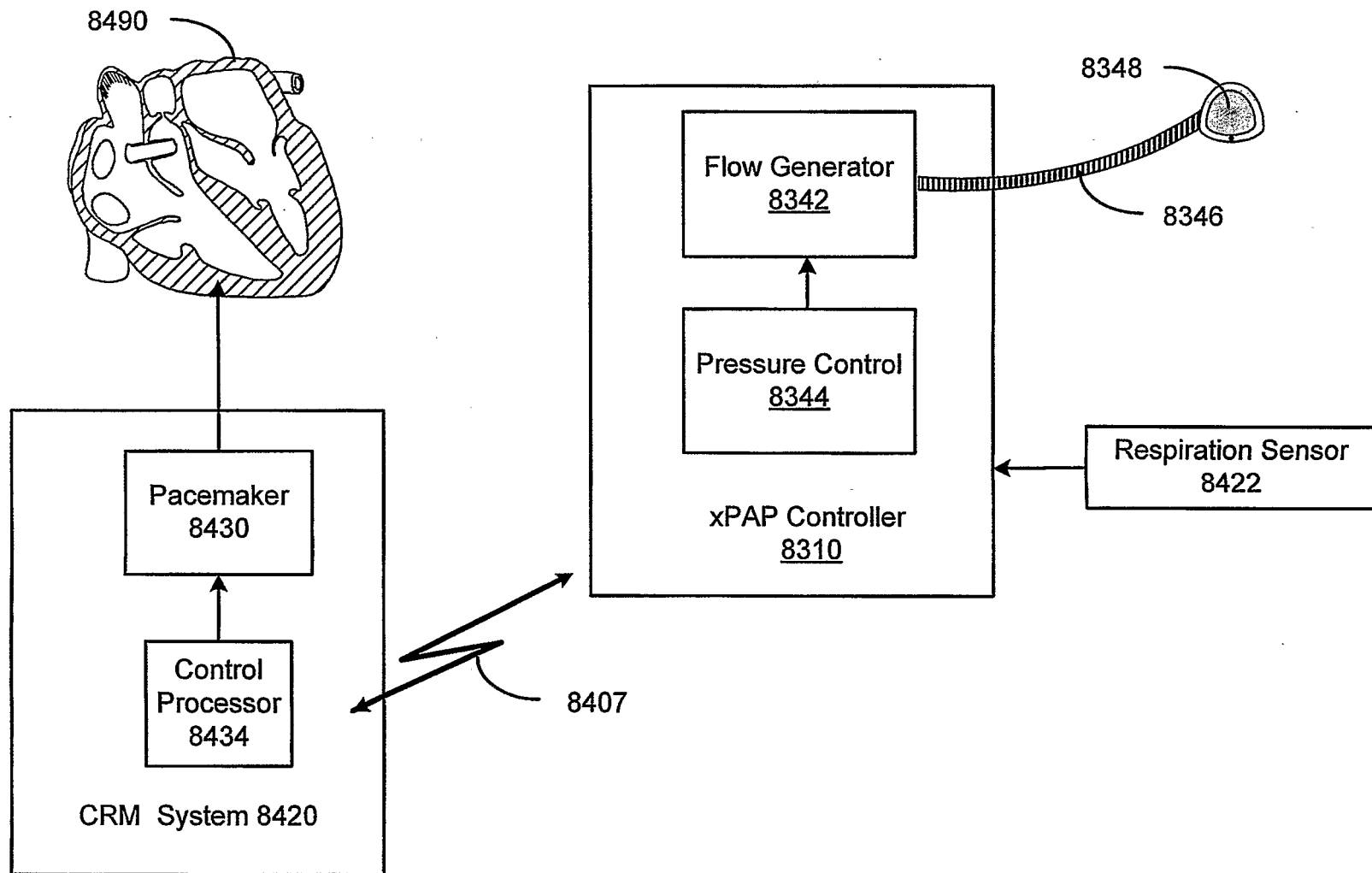


Figure 84B

Figure 85A

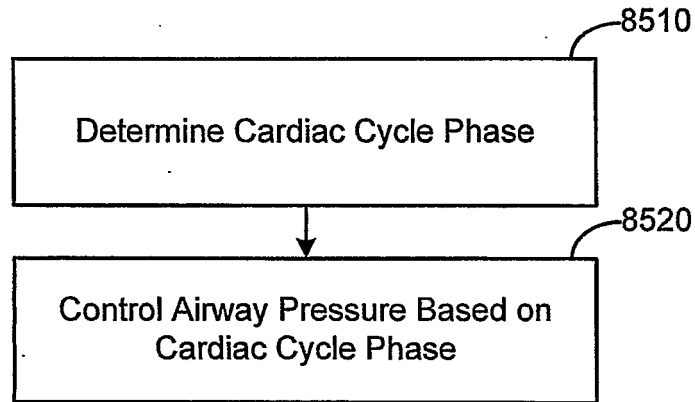


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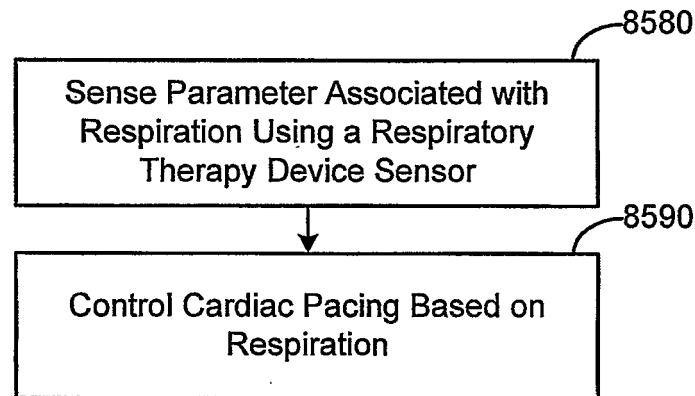
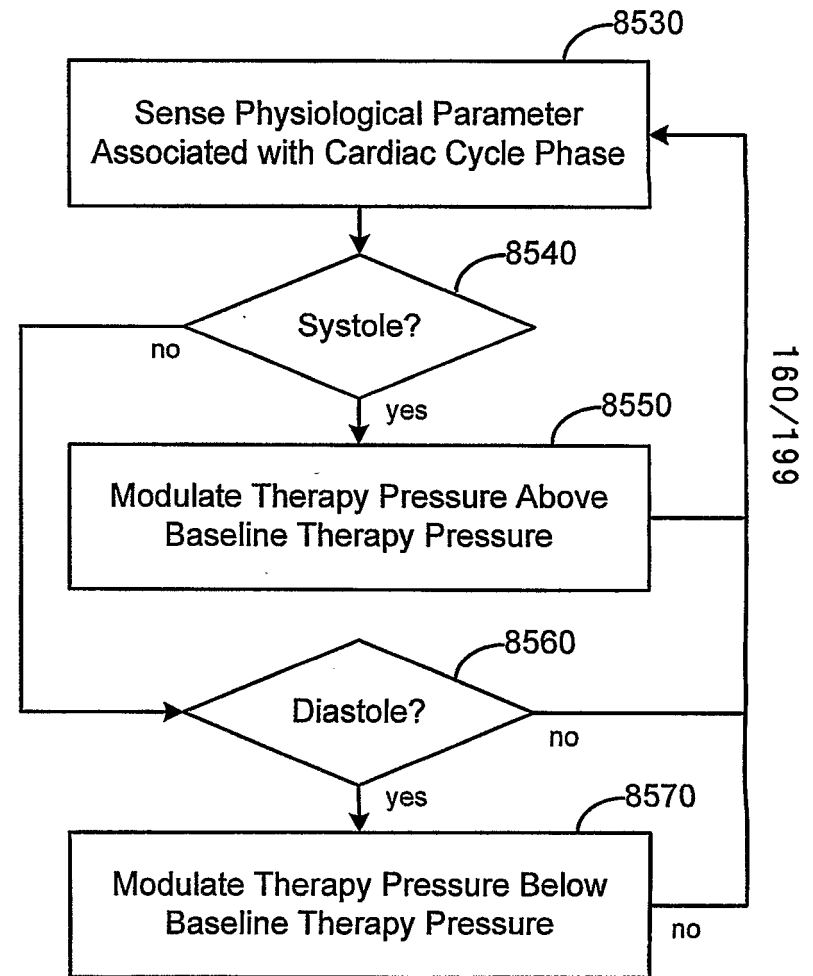


Figure 85B



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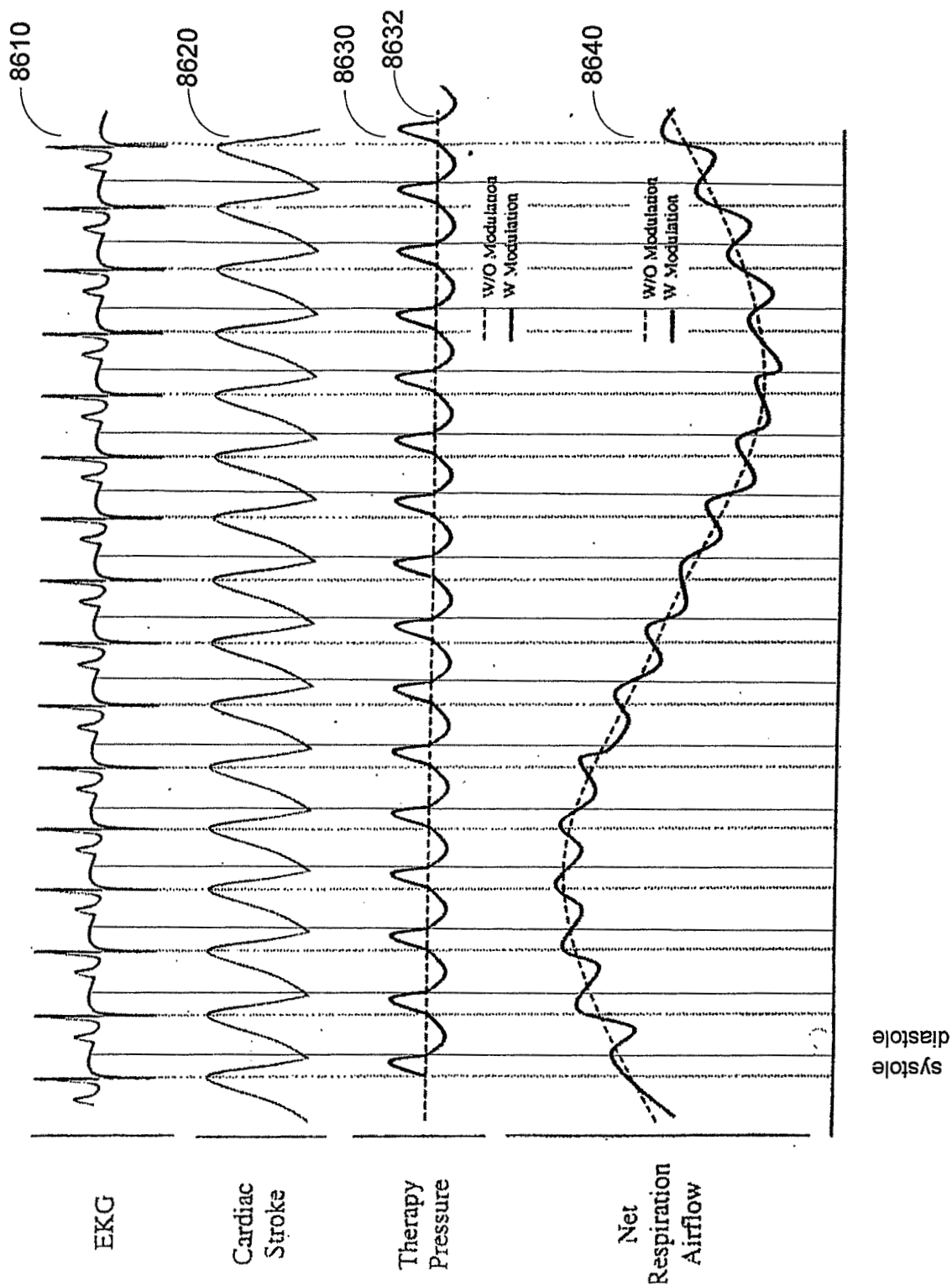


Figure 86

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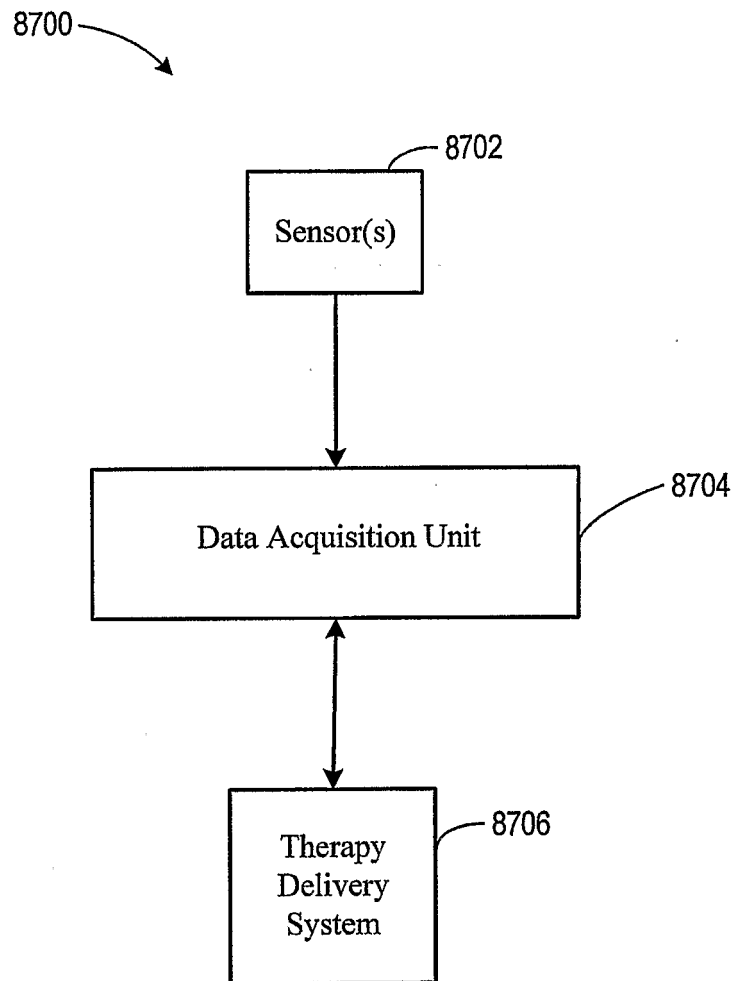


Fig. 87A

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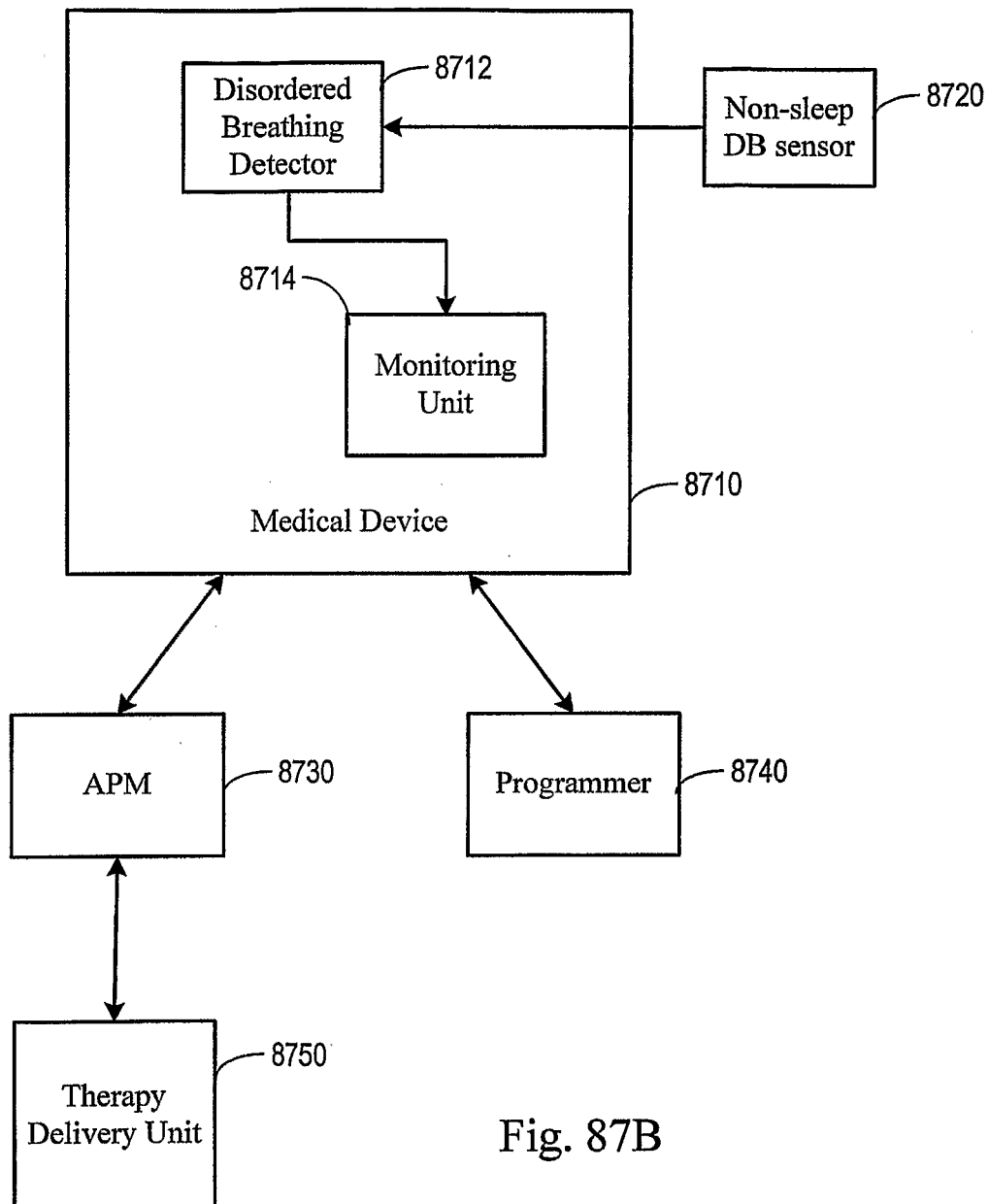


Fig. 87B

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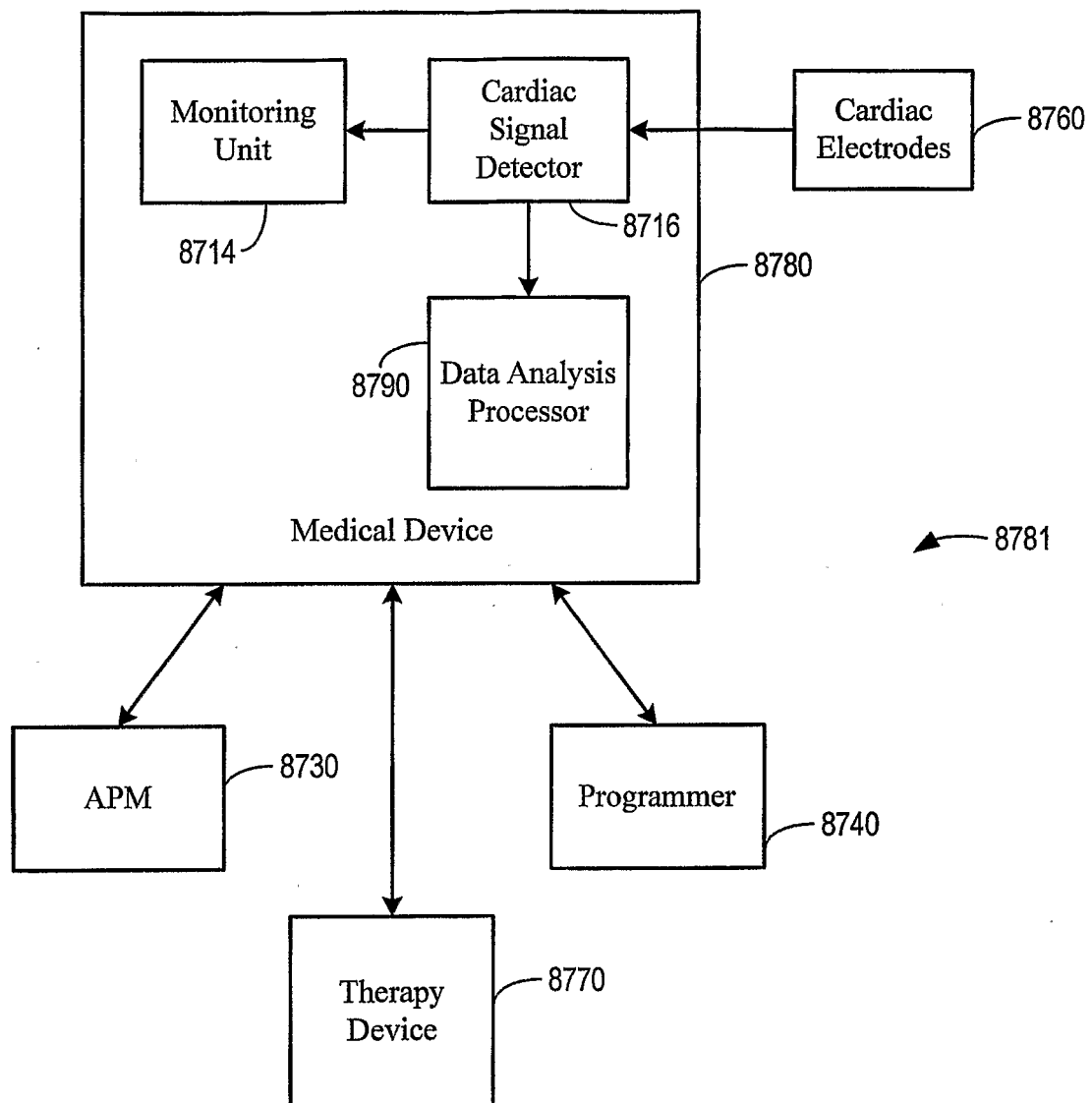


Fig. 87C

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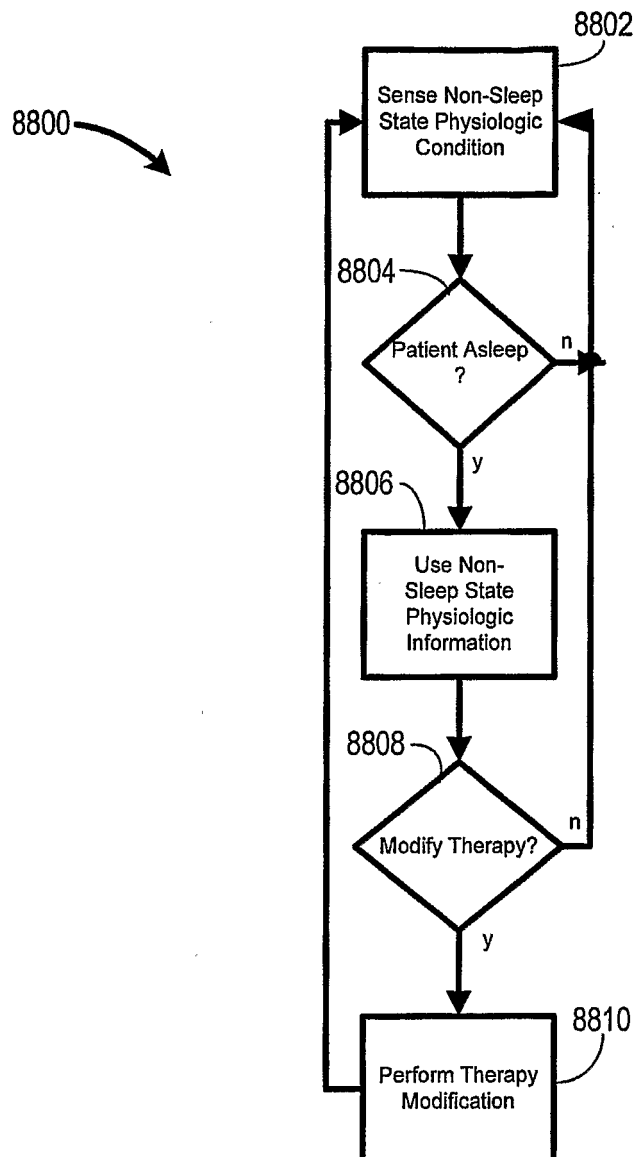


Fig. 88

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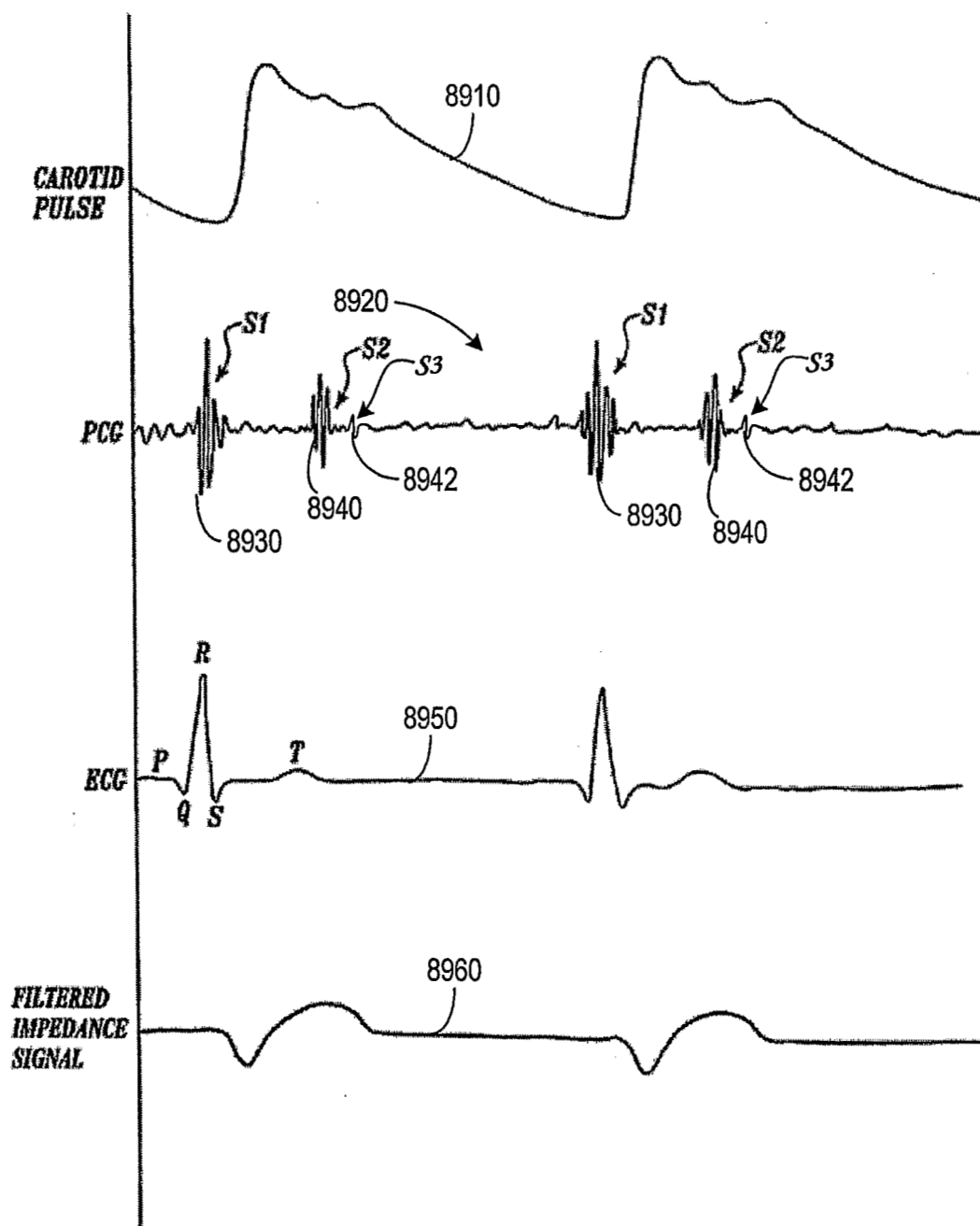


Fig. 89

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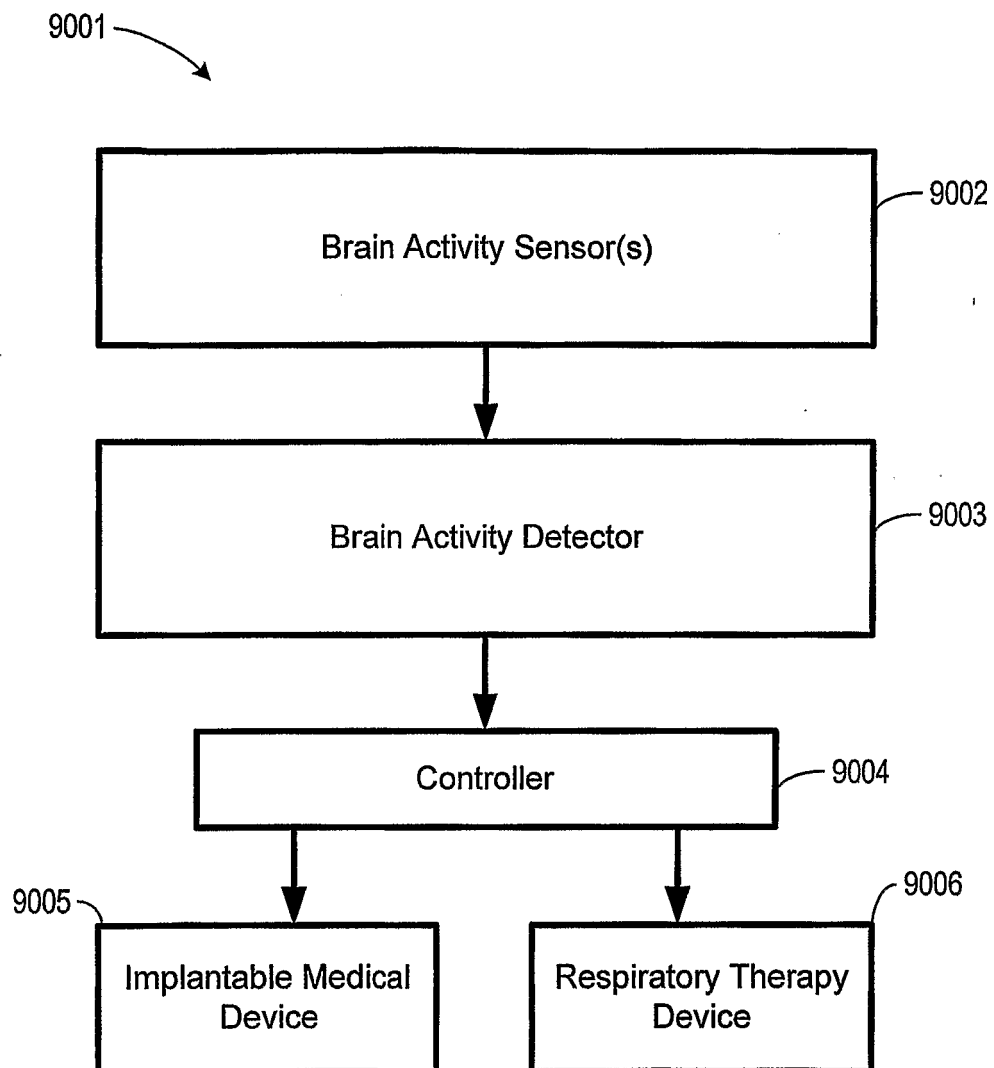


Fig. 90A

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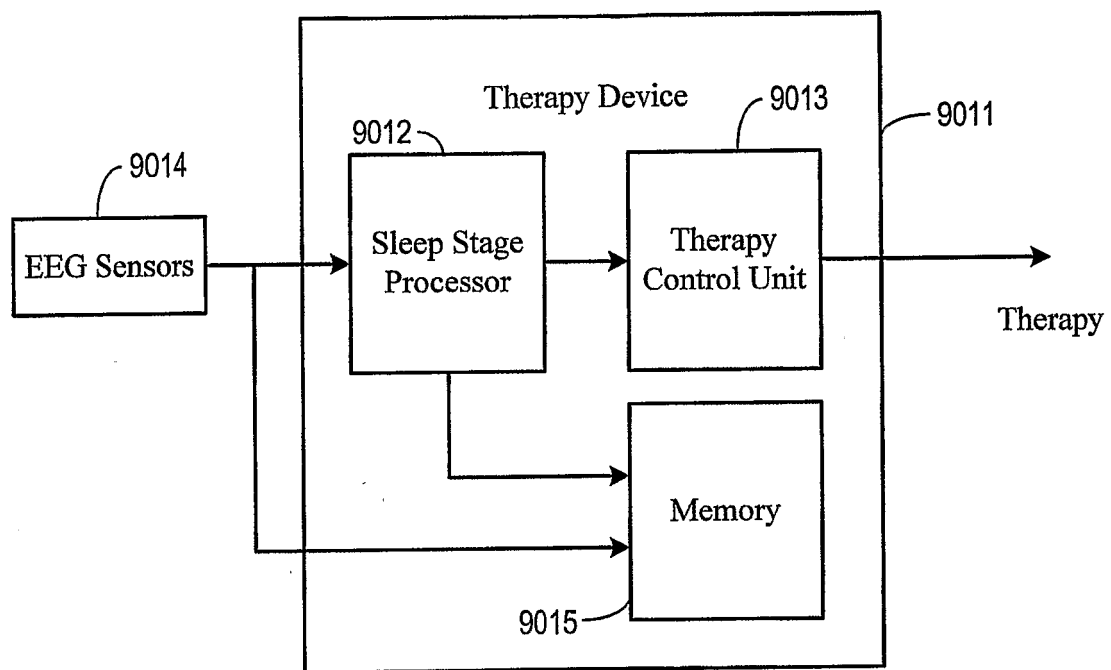


Fig. 90B

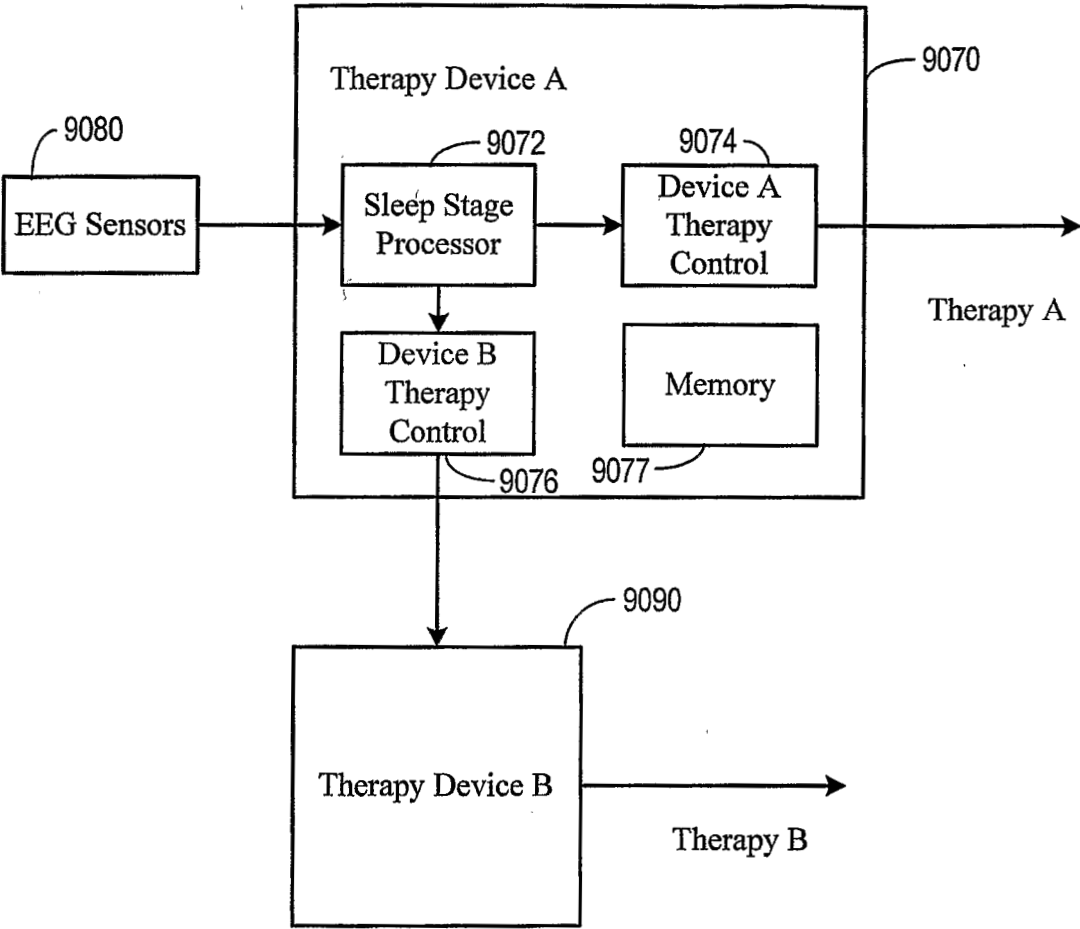


Fig. 90C

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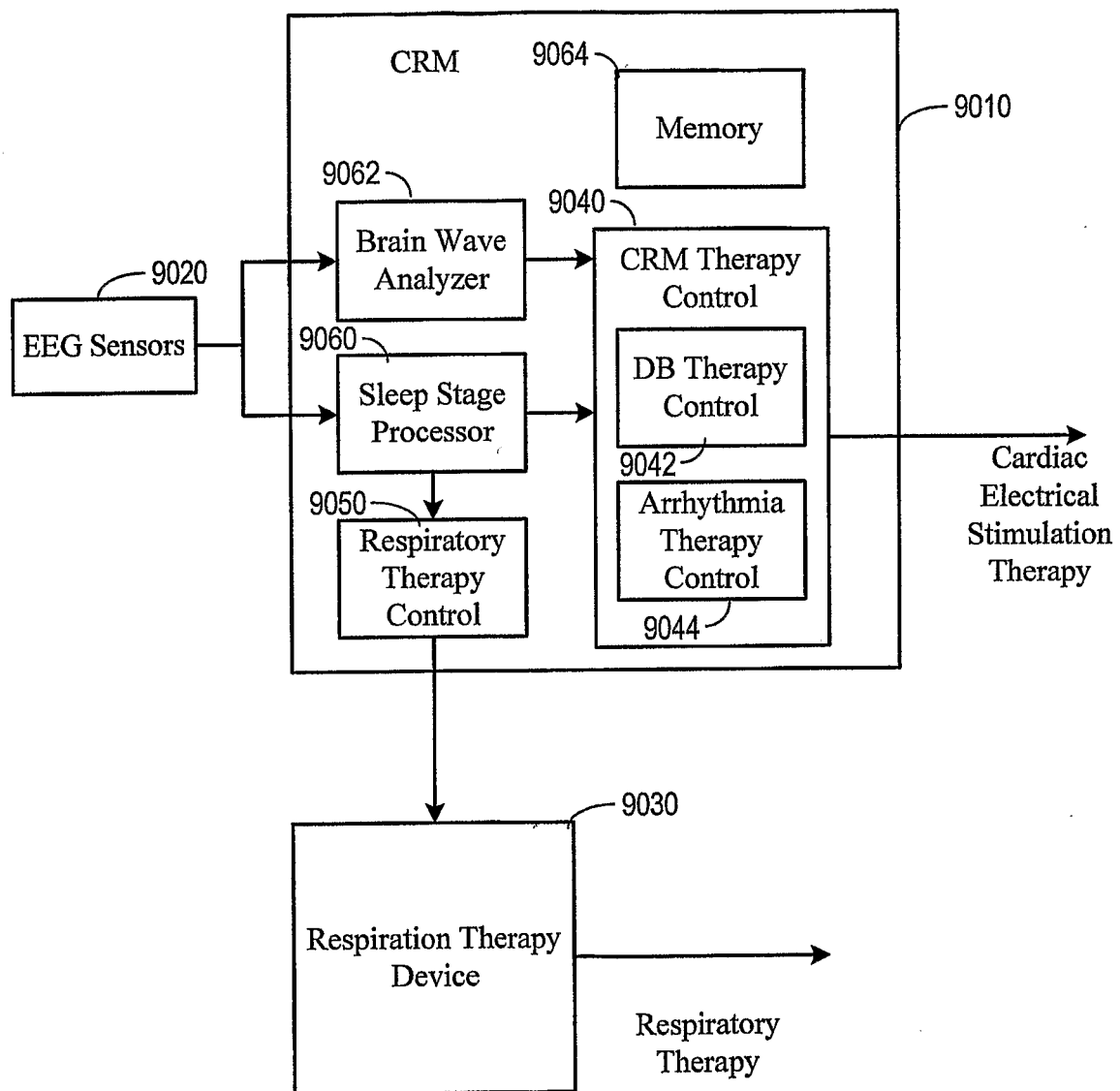


Fig. 90D

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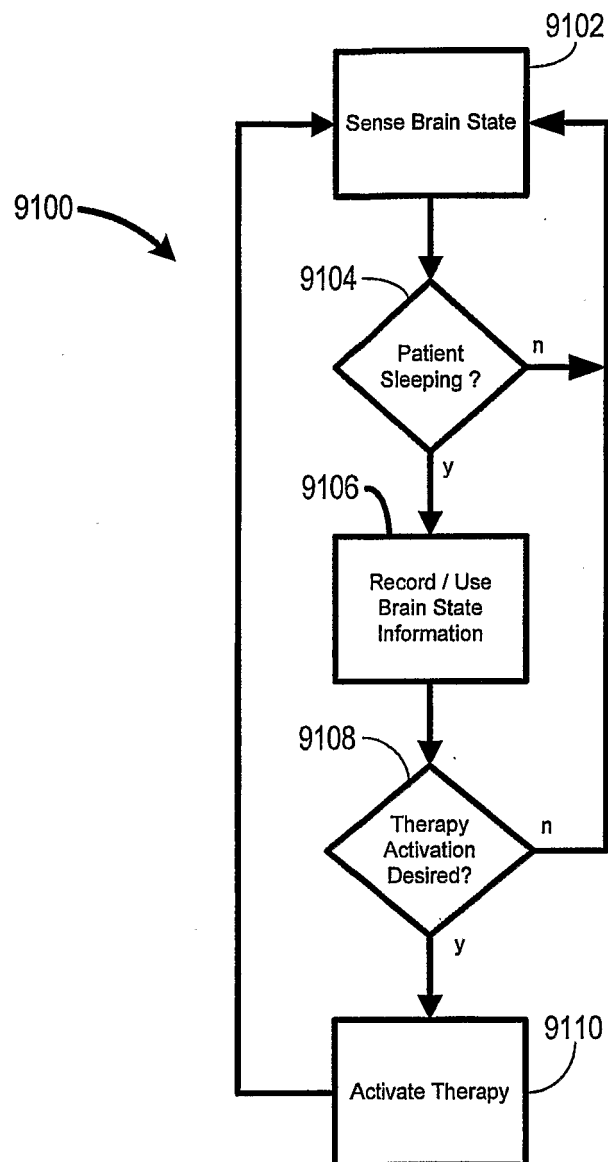


Fig. 91

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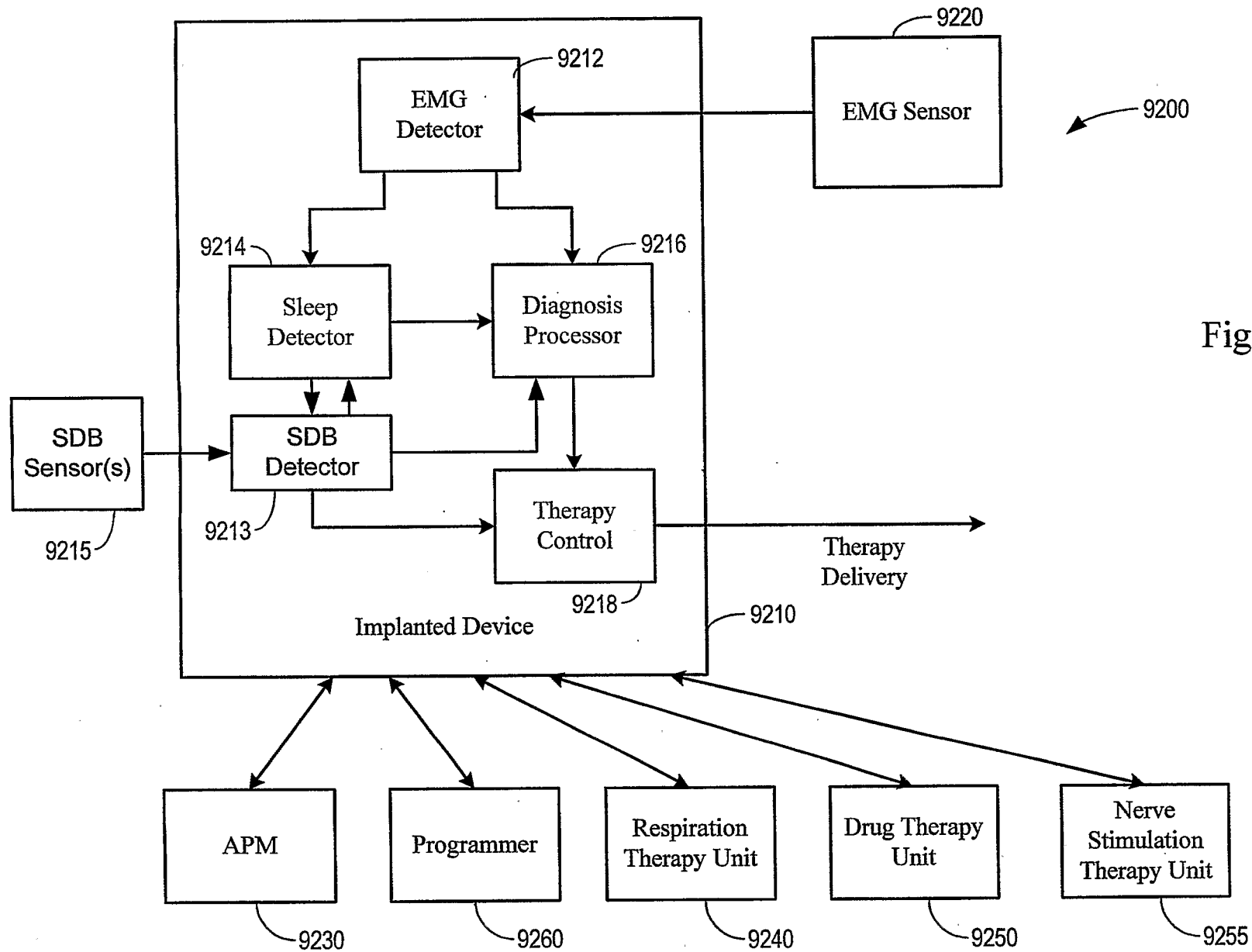


Fig. 92

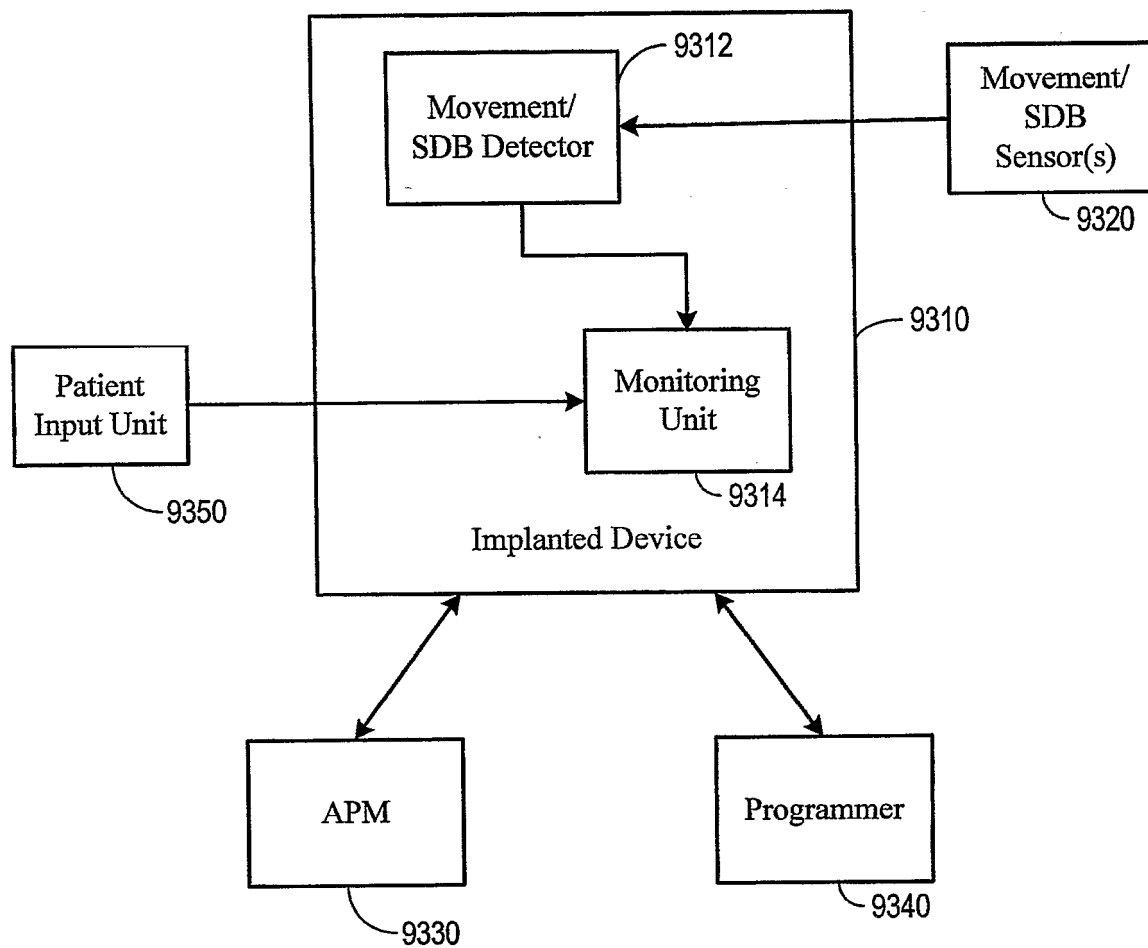


Fig. 93

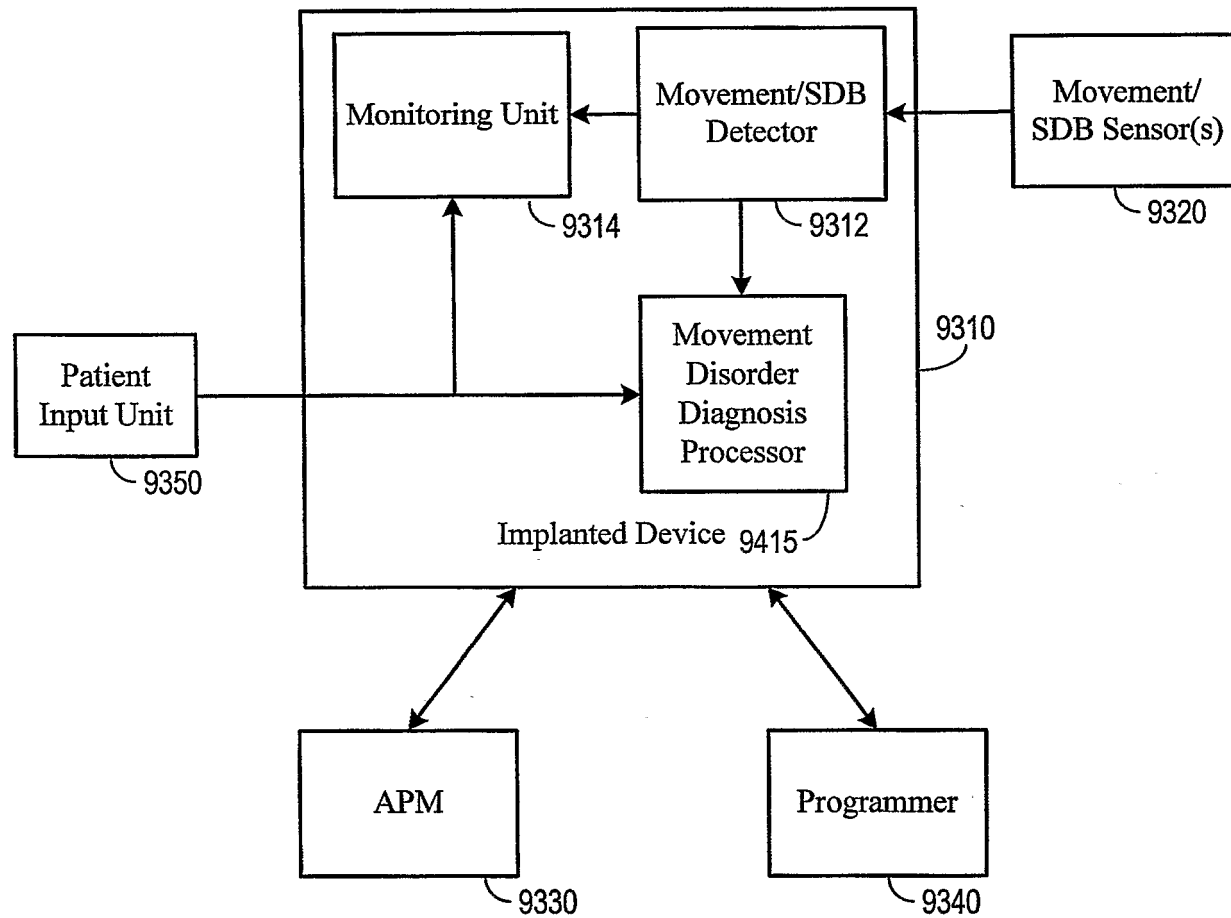
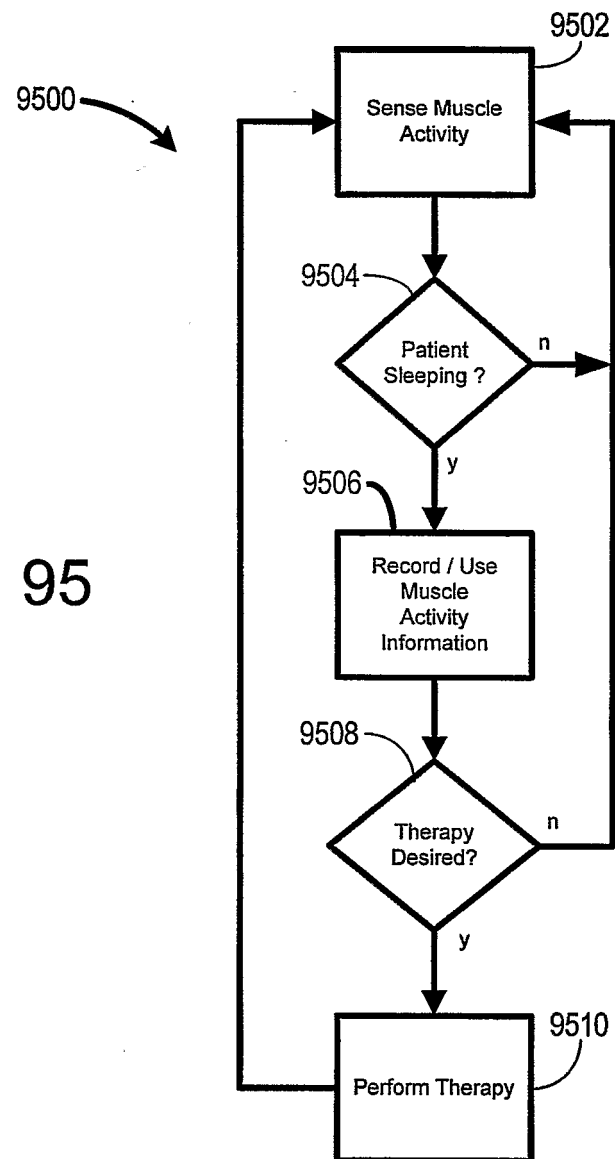


Fig. 94

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Fig. 95



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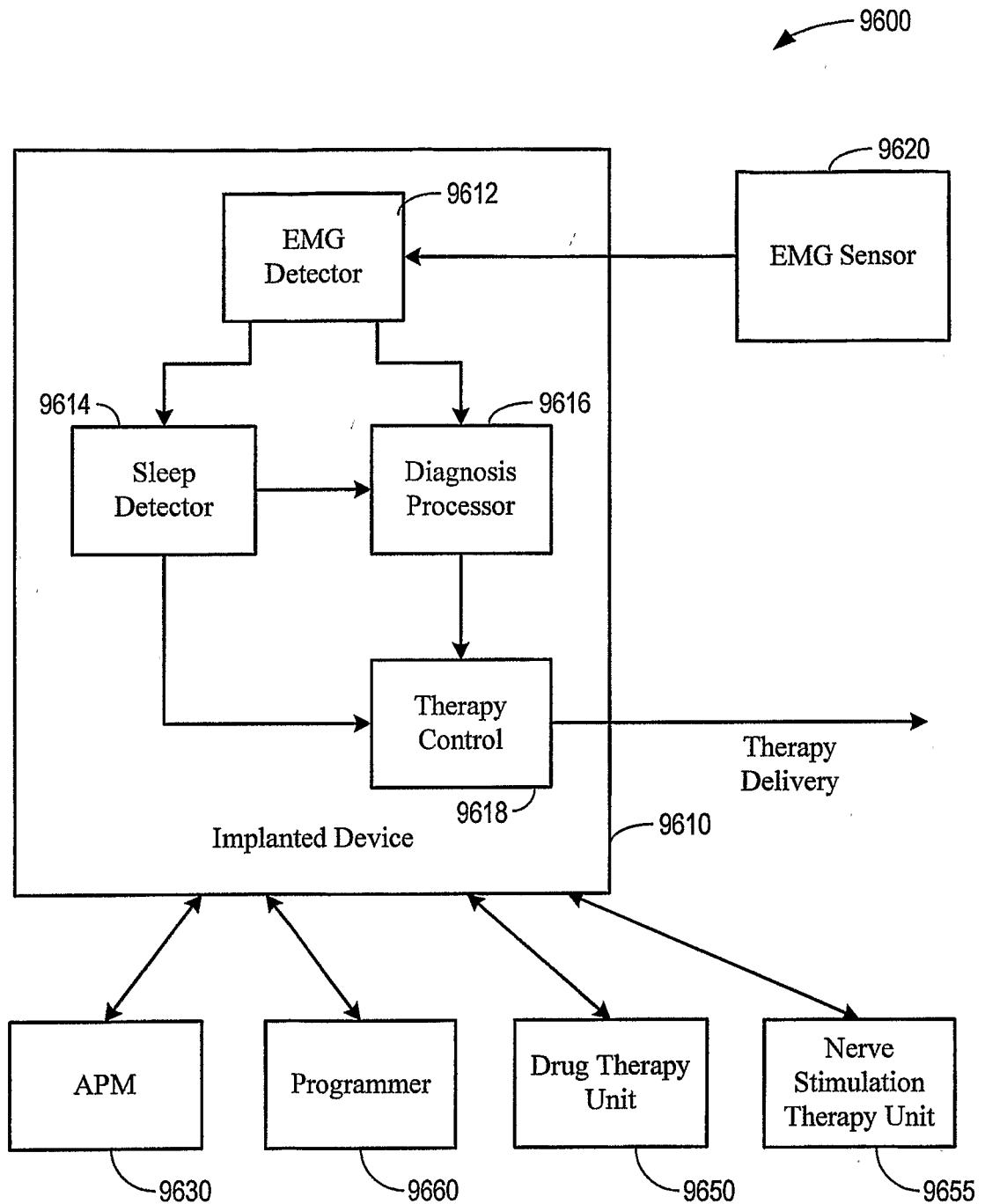


Fig. 96

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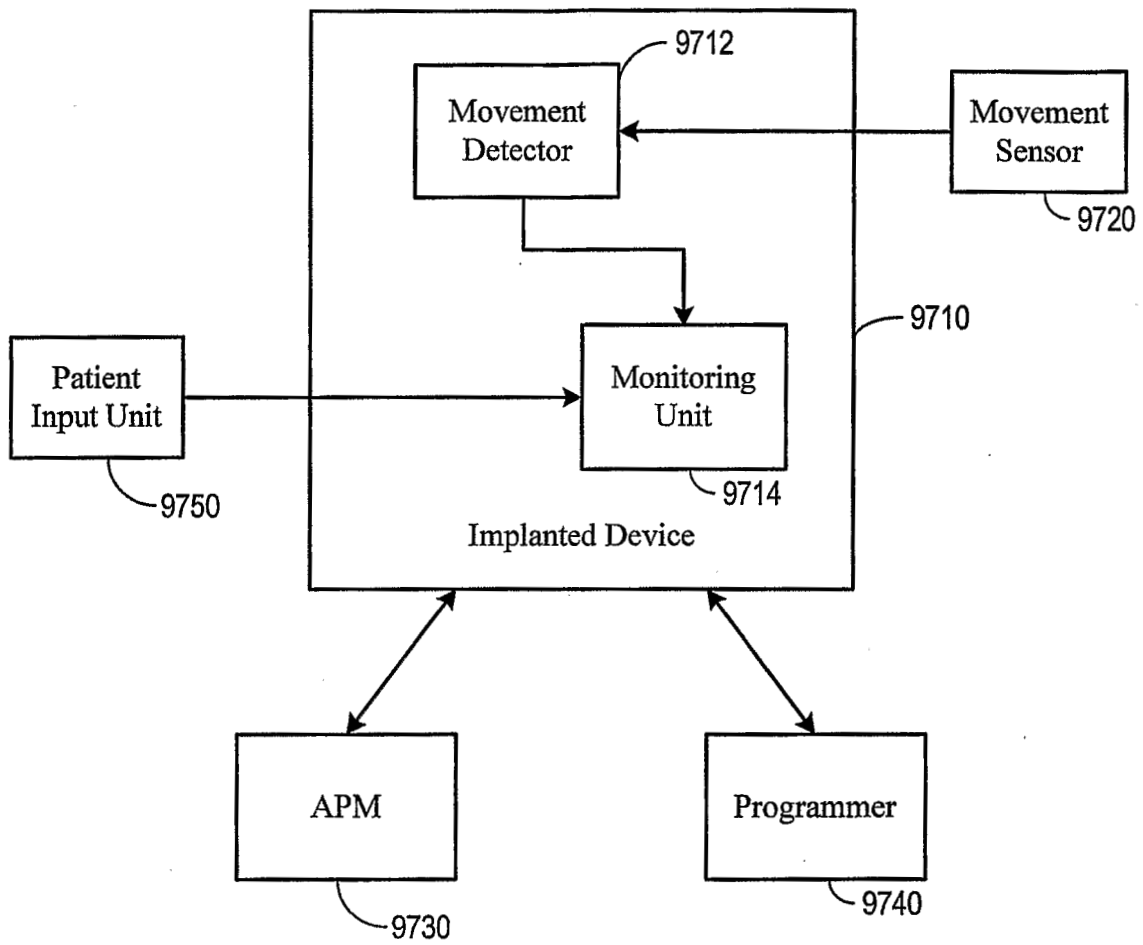


Fig. 97A

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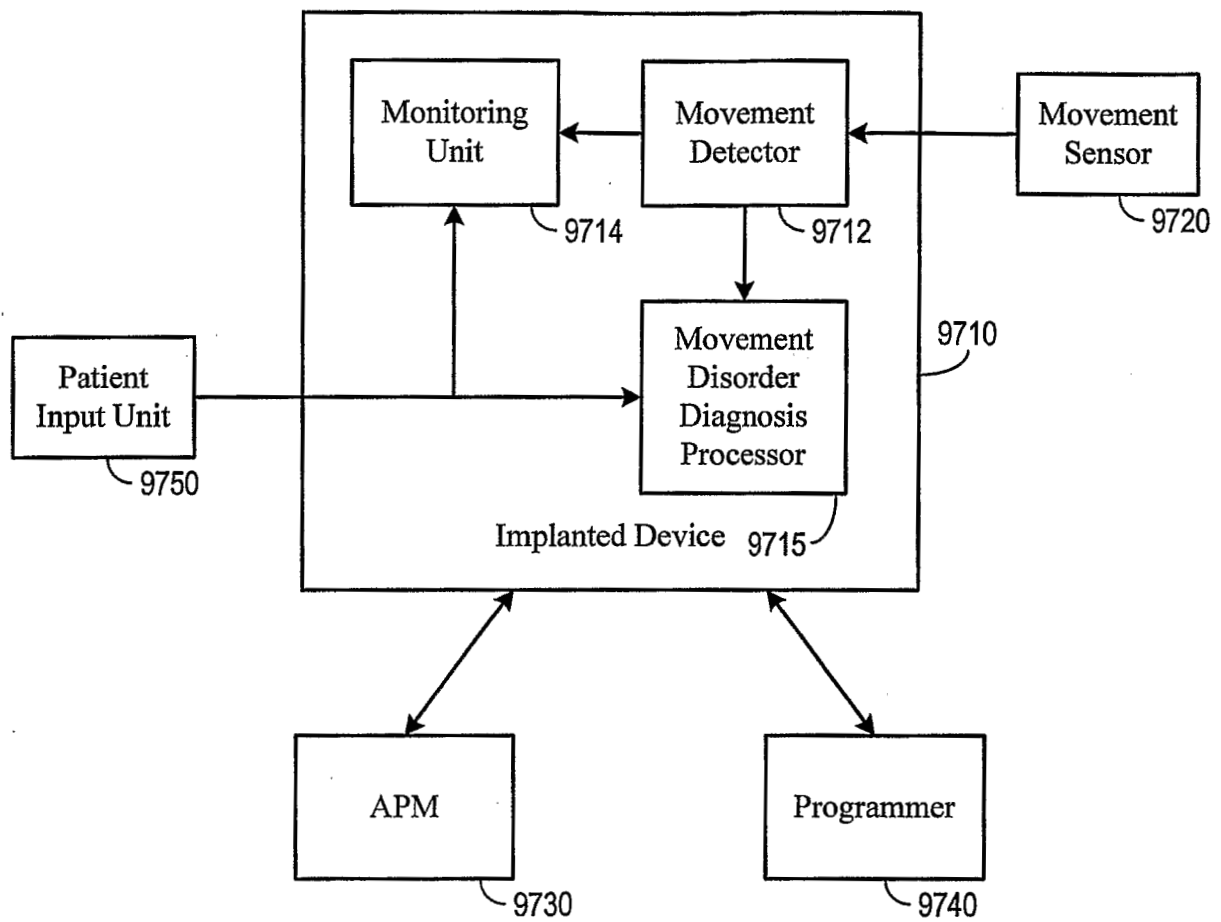


Fig. 97B

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Fig. 98A

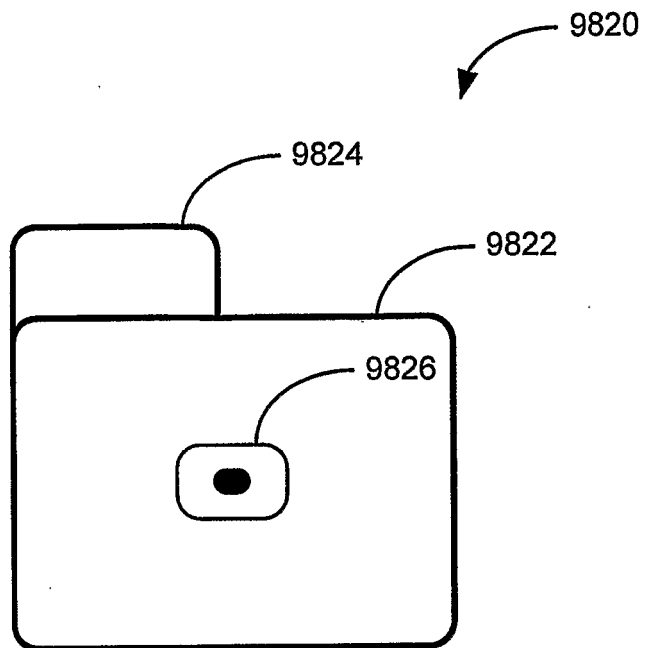
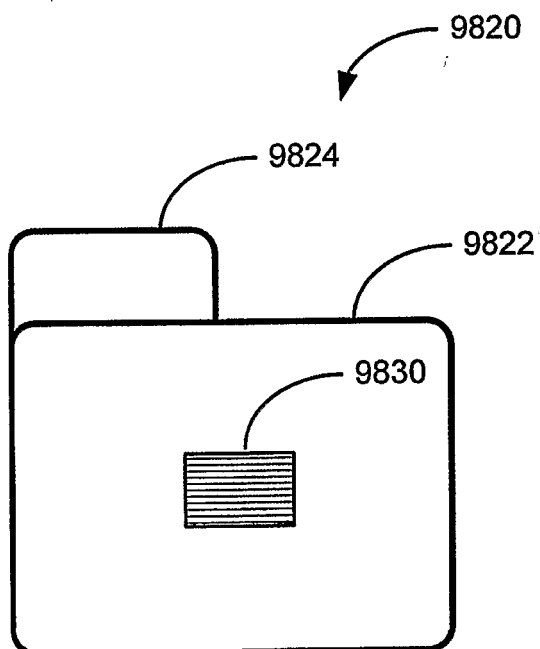


Fig. 98B



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Fig. 98C

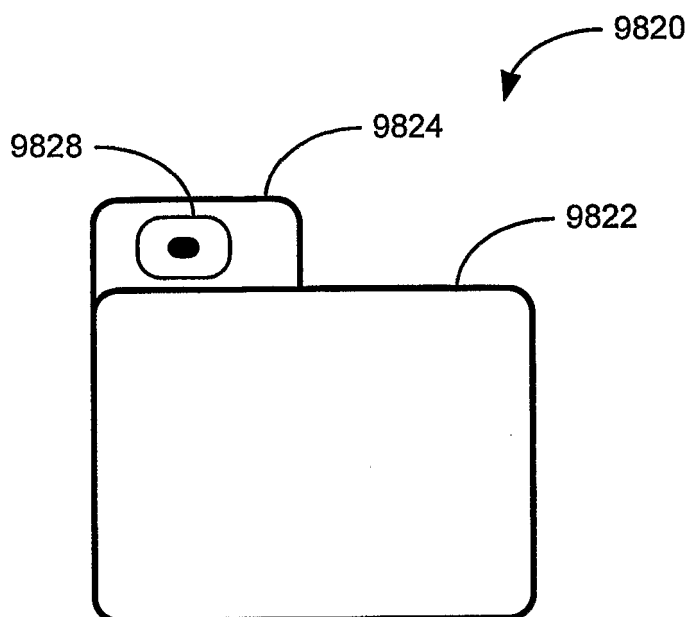
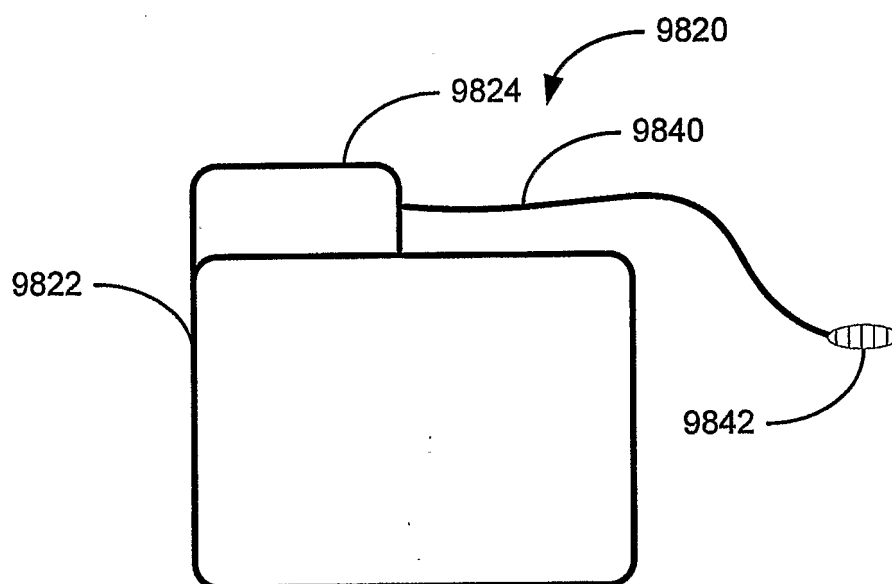


Fig. 98D



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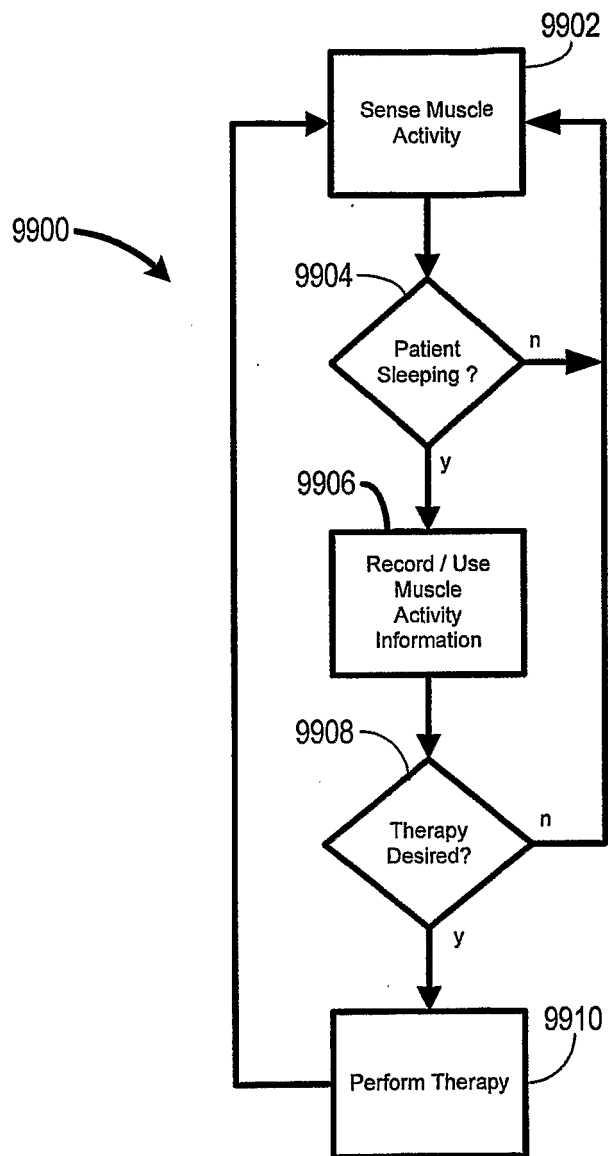


Fig. 99

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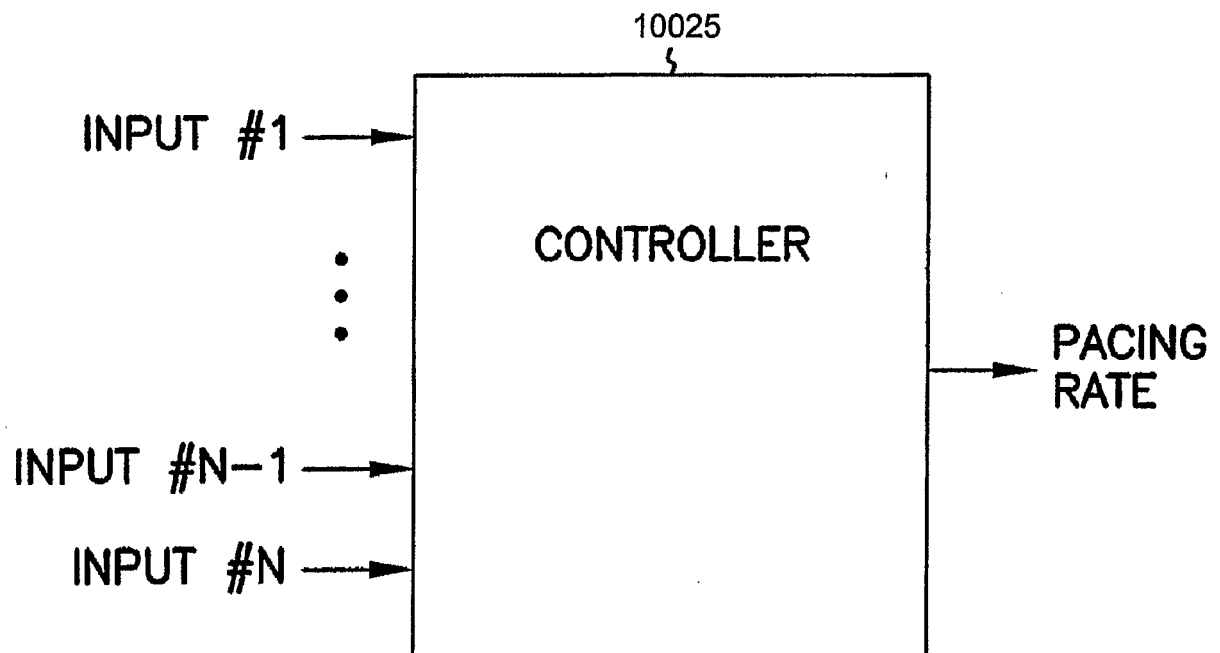


Figure 100

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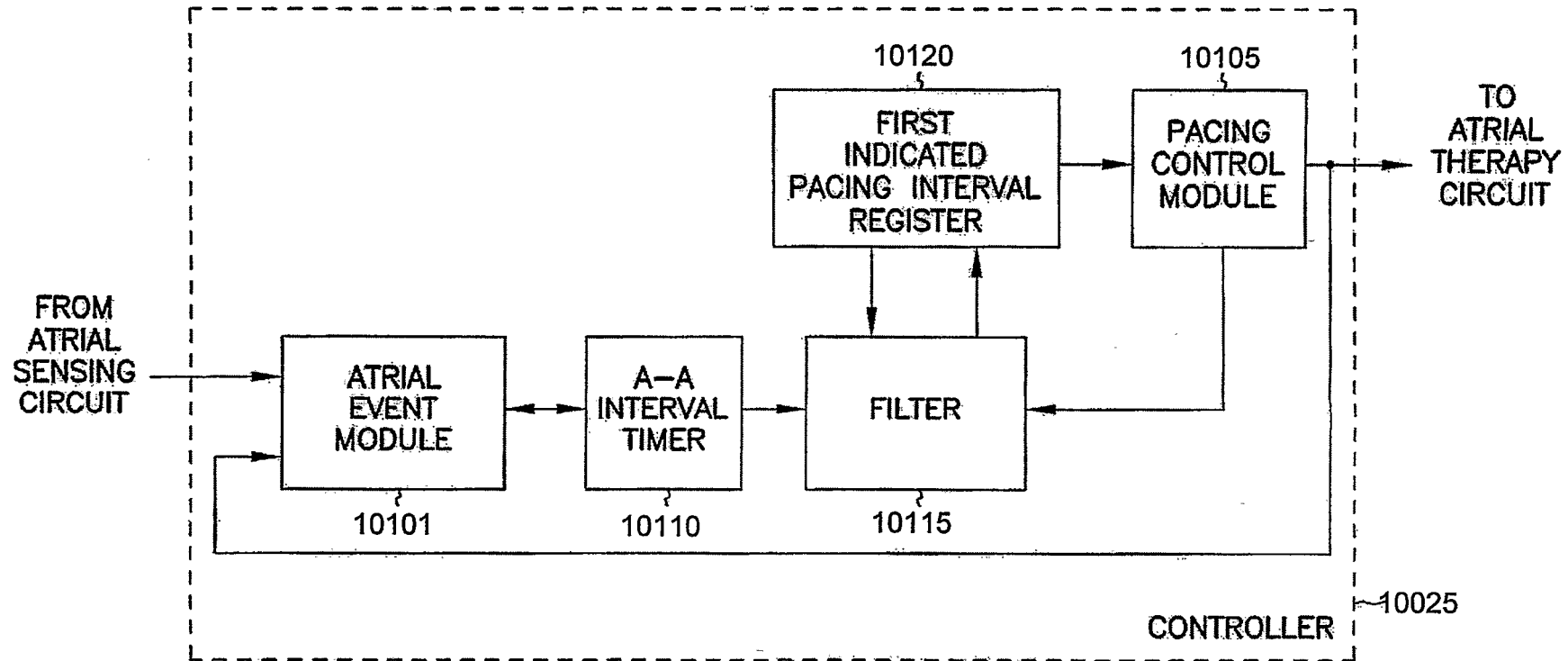


Figure 101

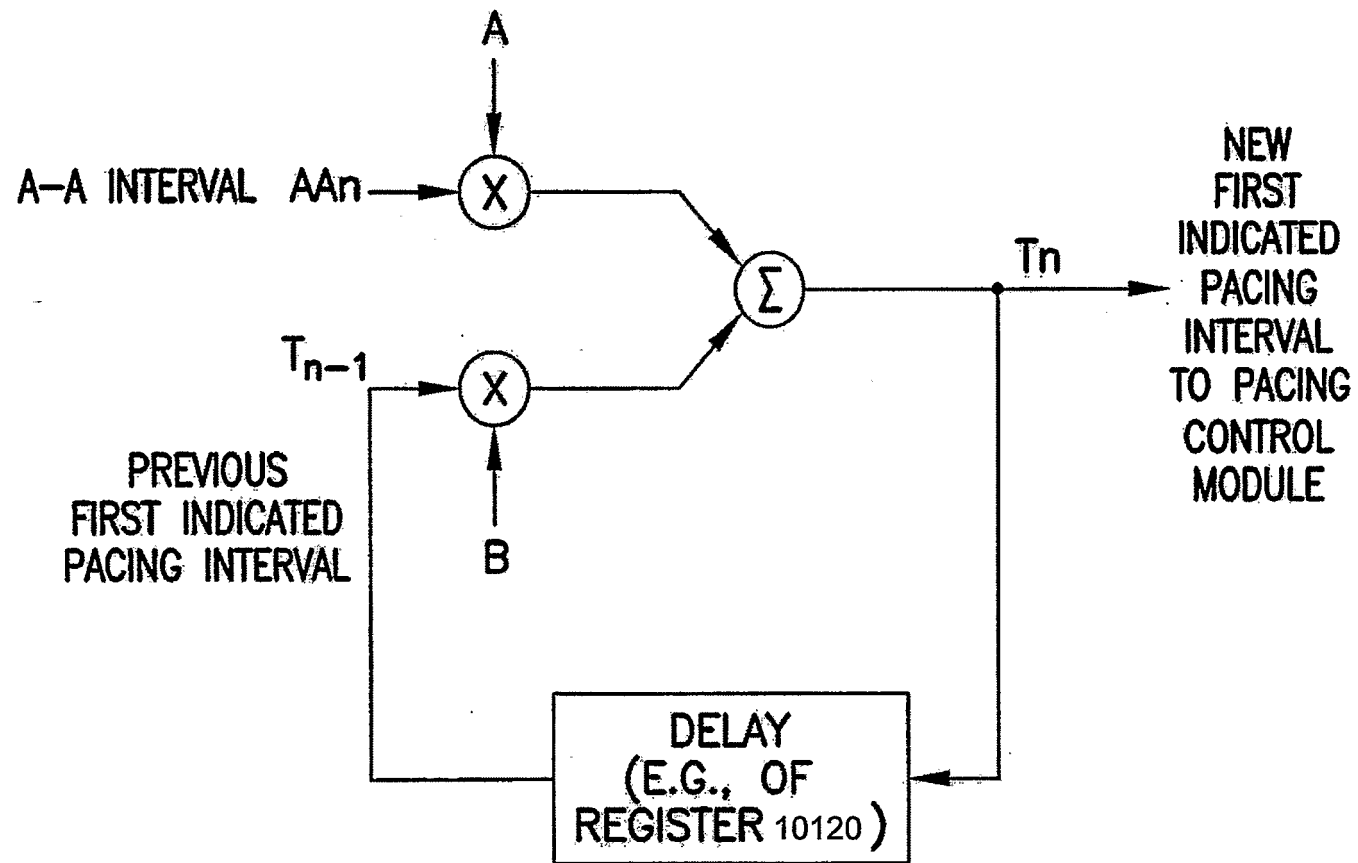


Figure 102

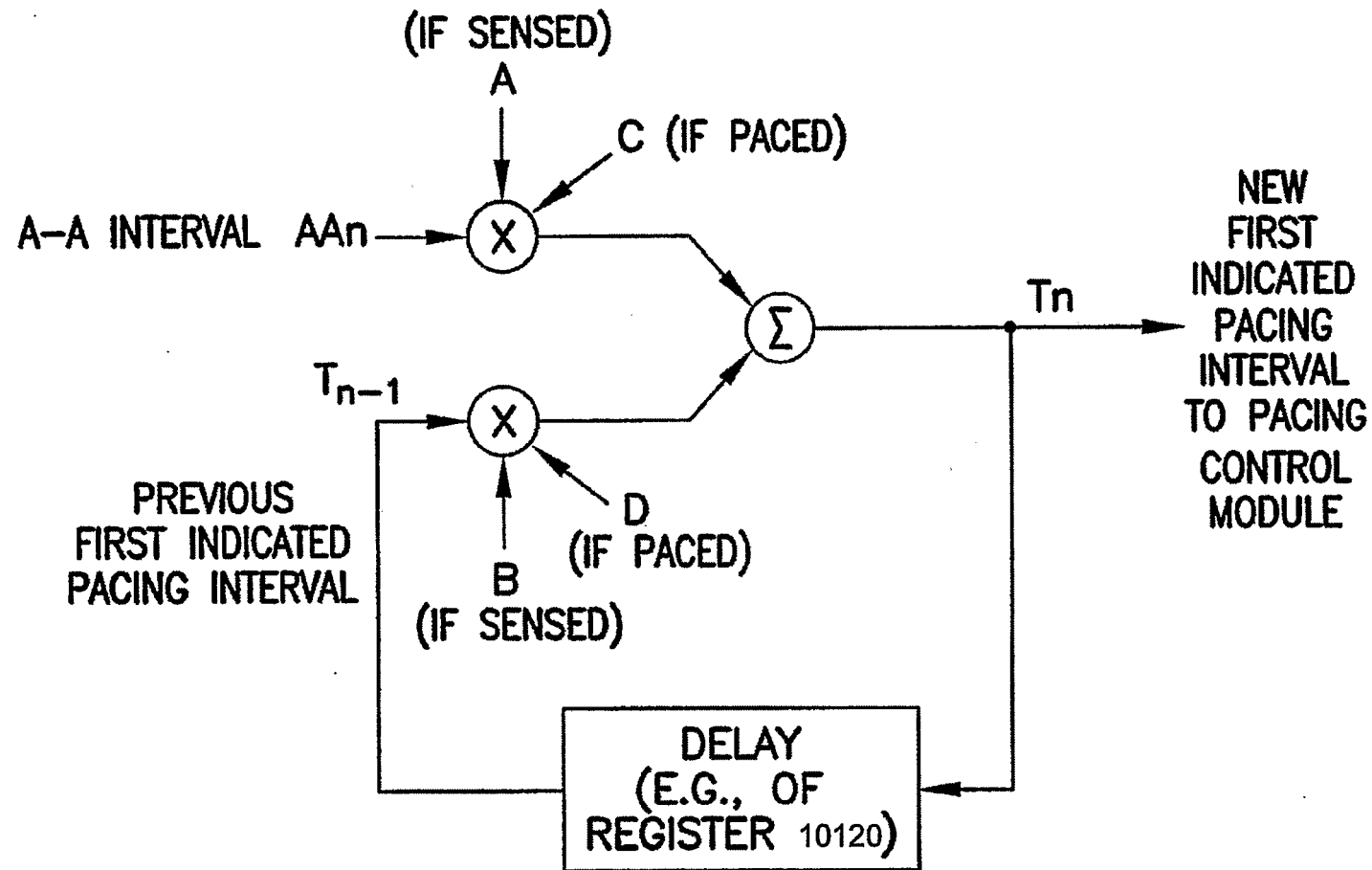


Figure 103

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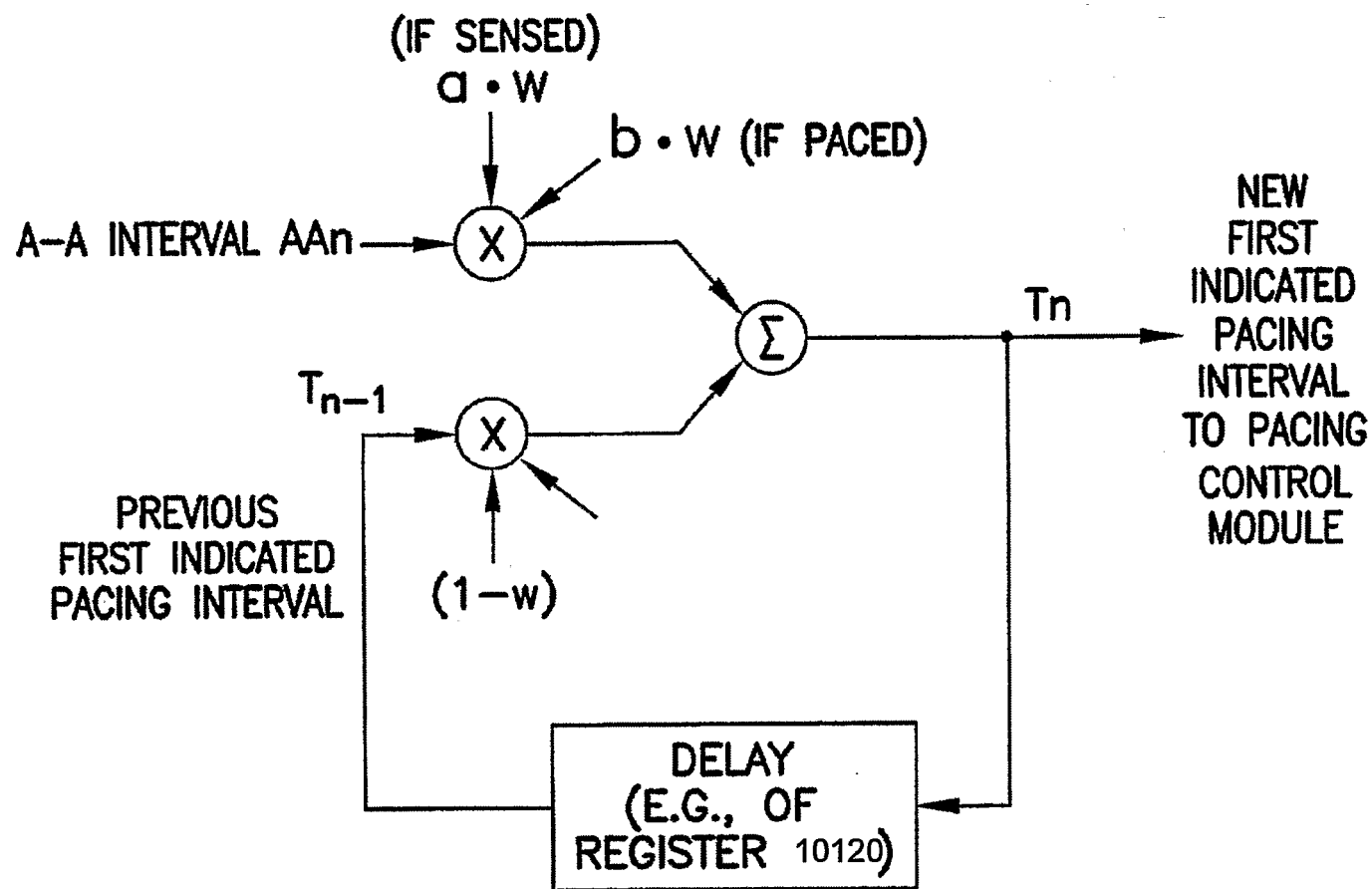


Figure 104

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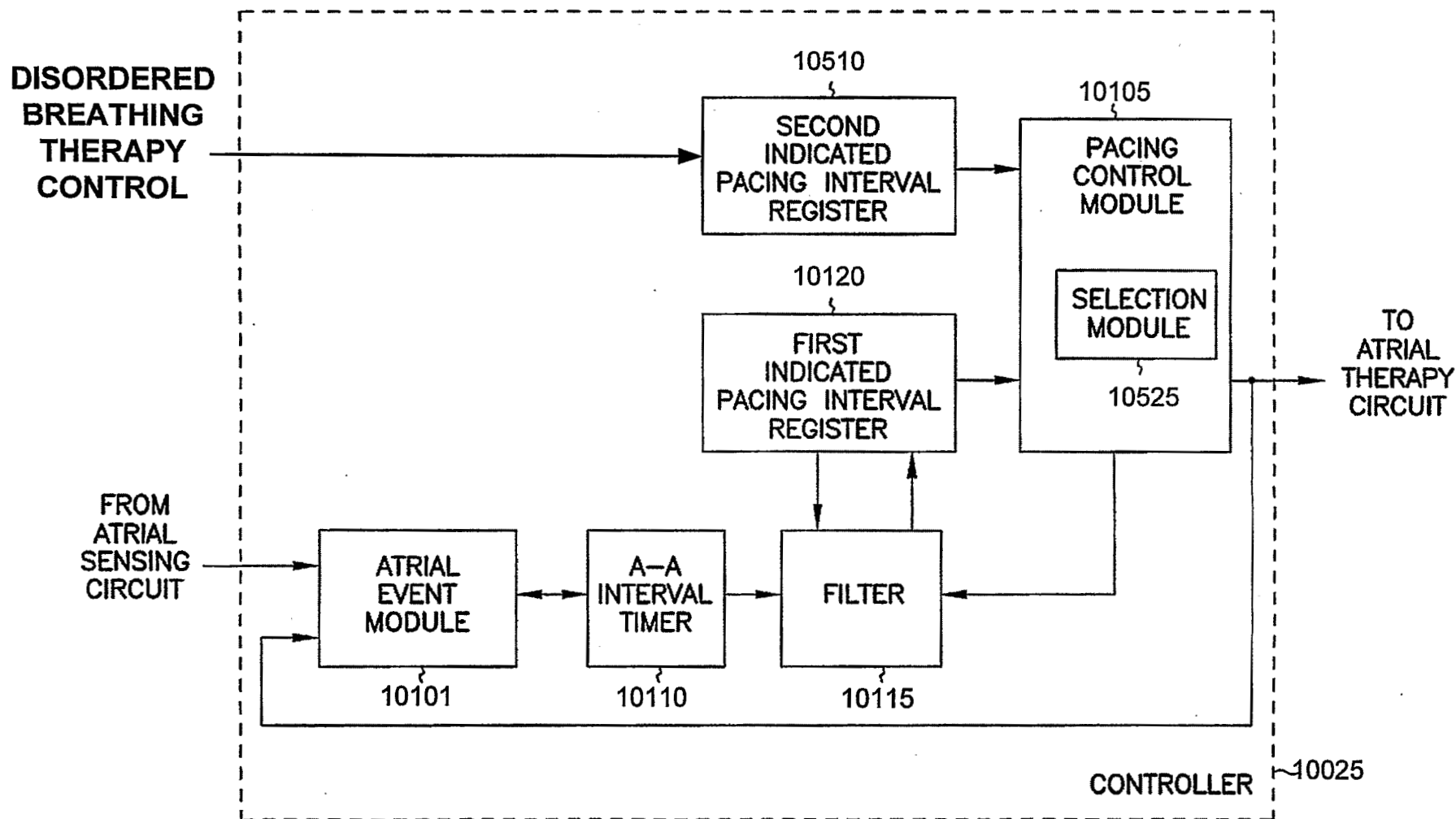


Figure 105

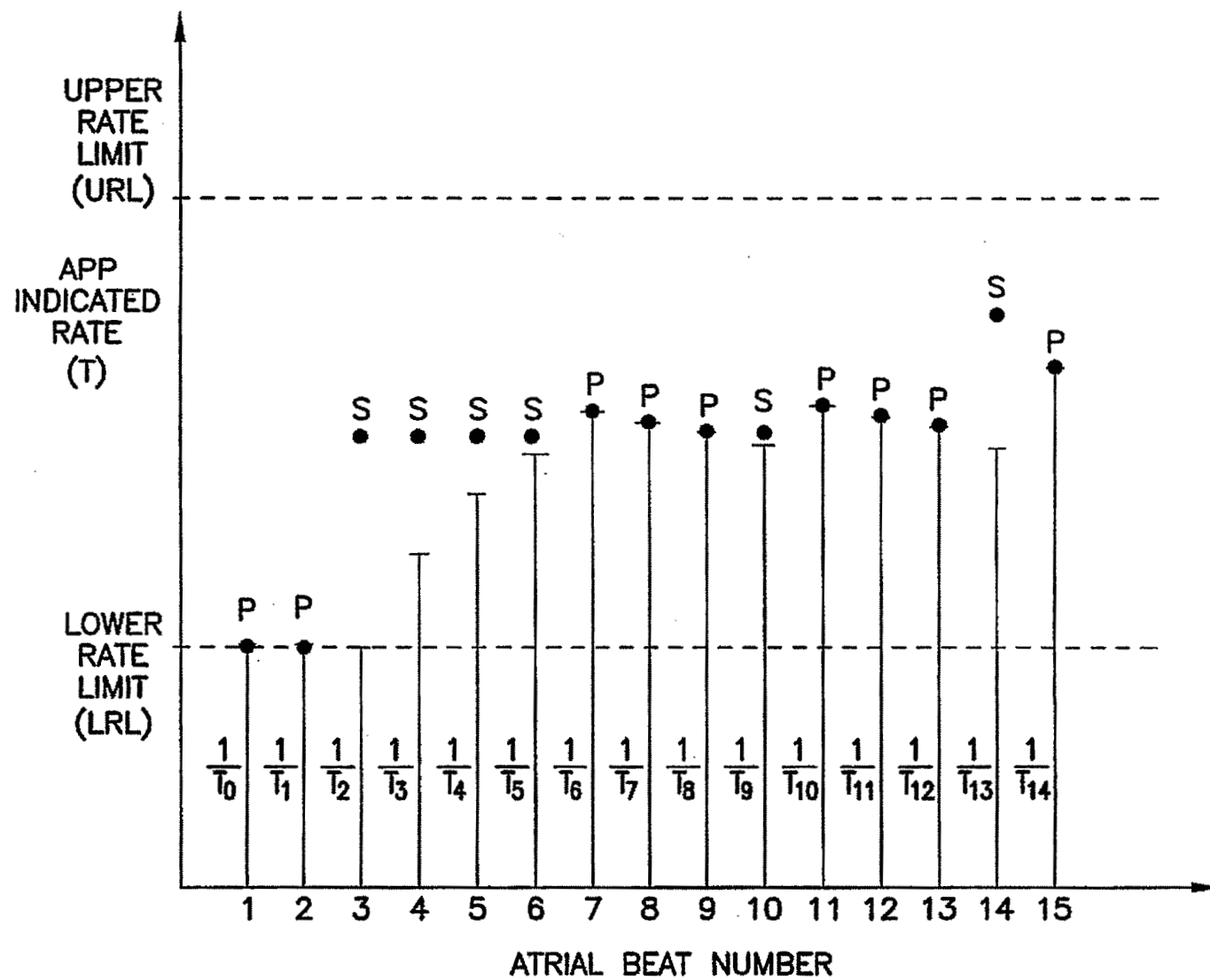


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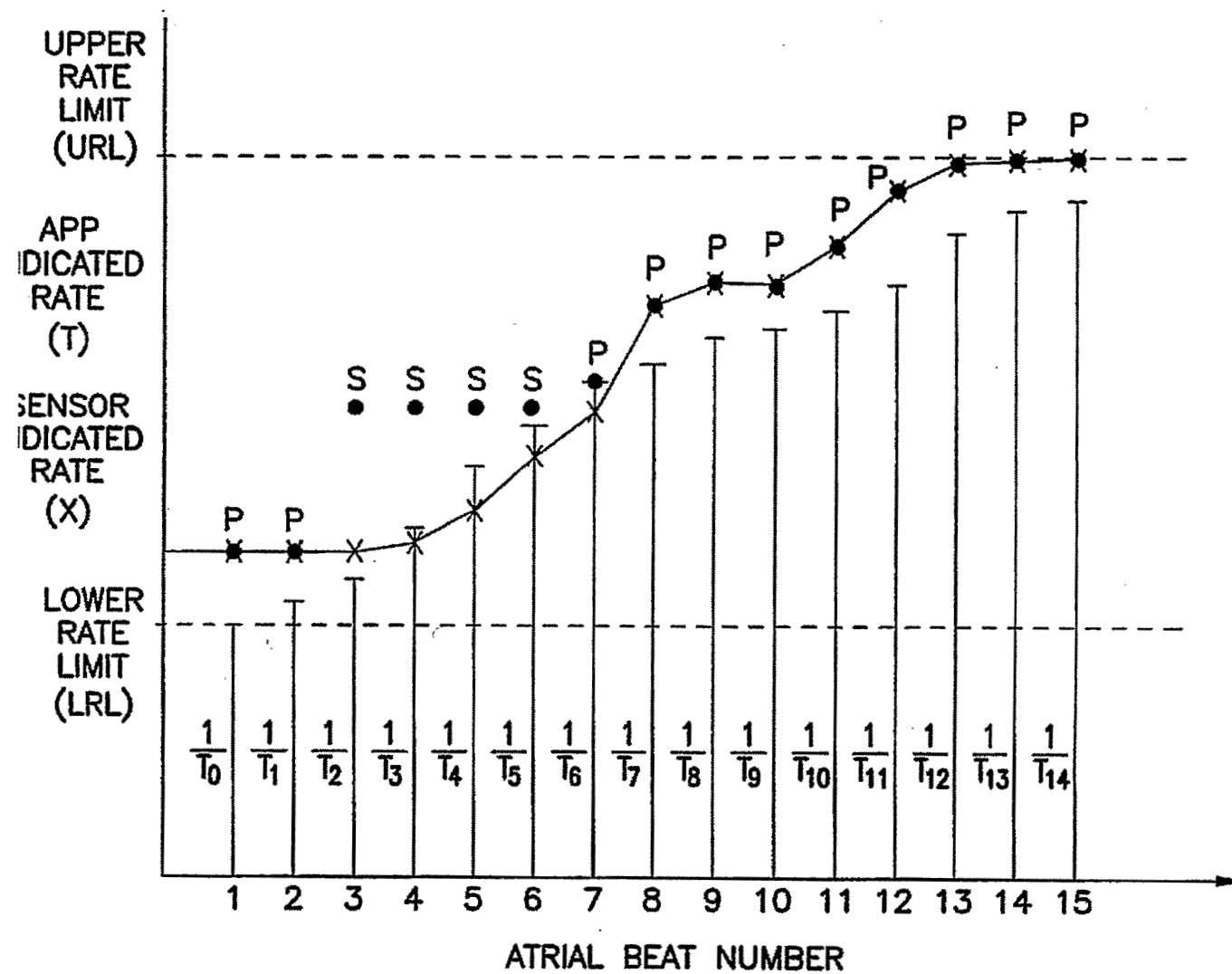


Figure 107

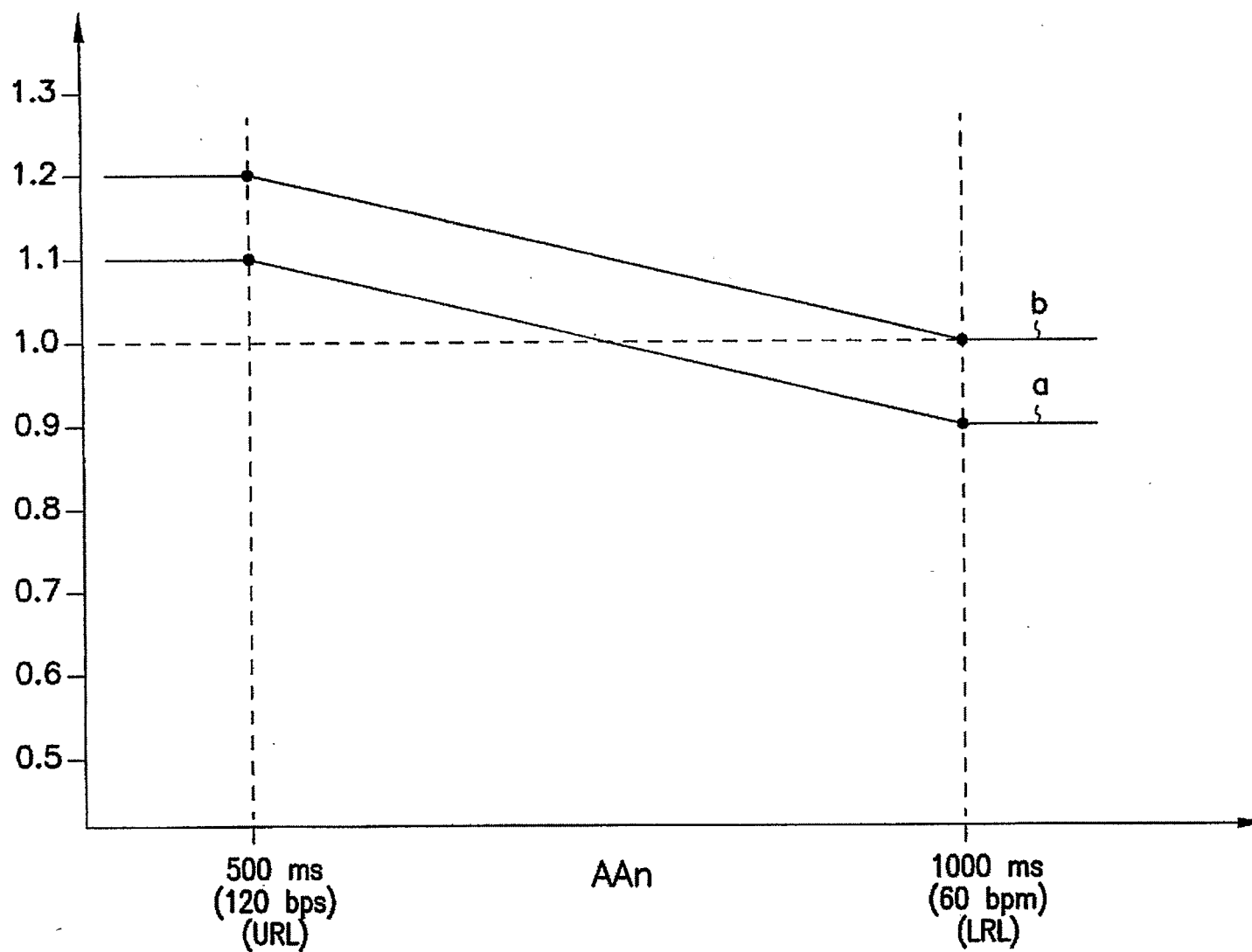


Figure 108

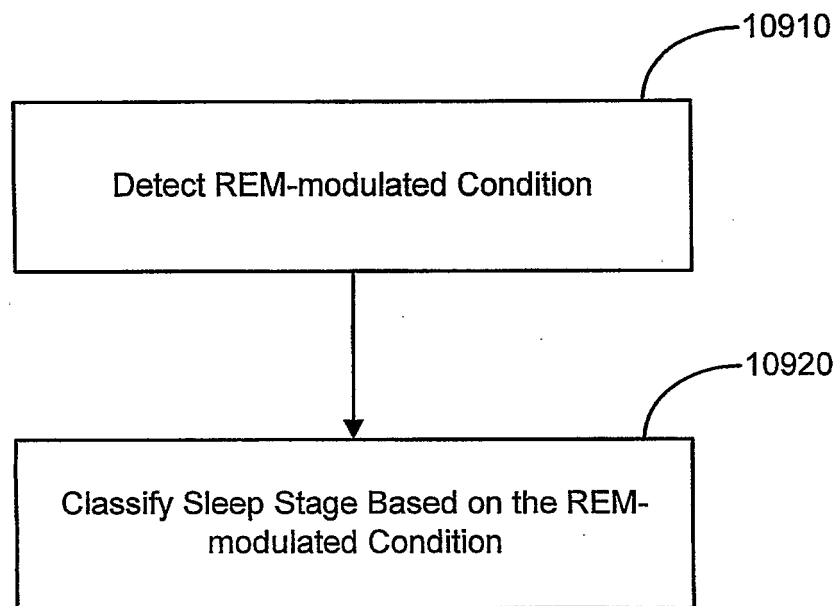


Figure 109A

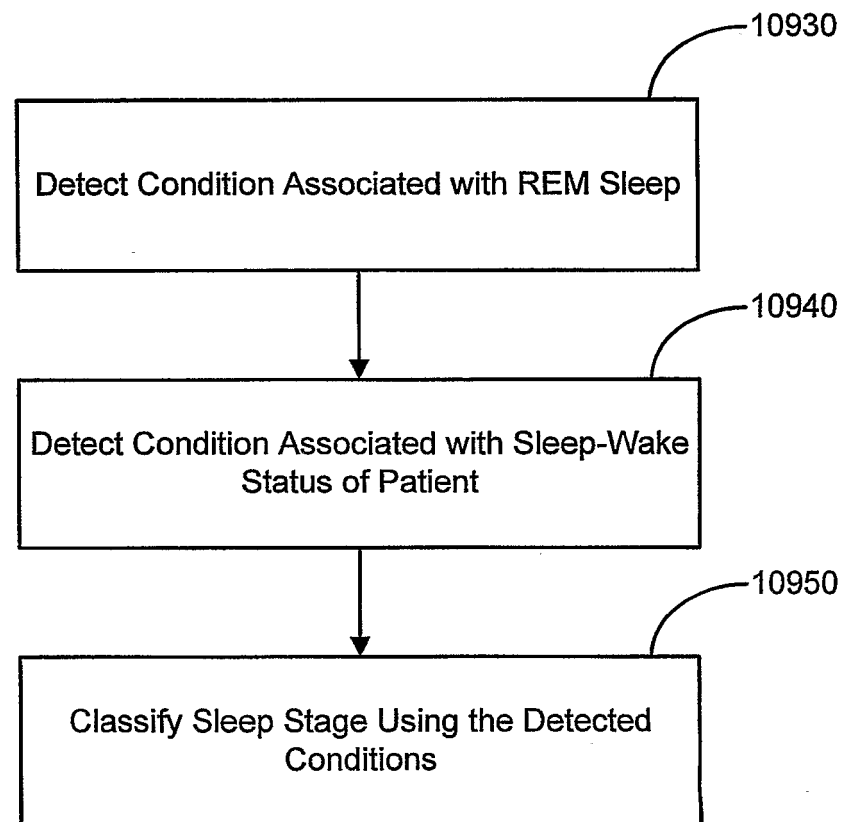


Figure 109B

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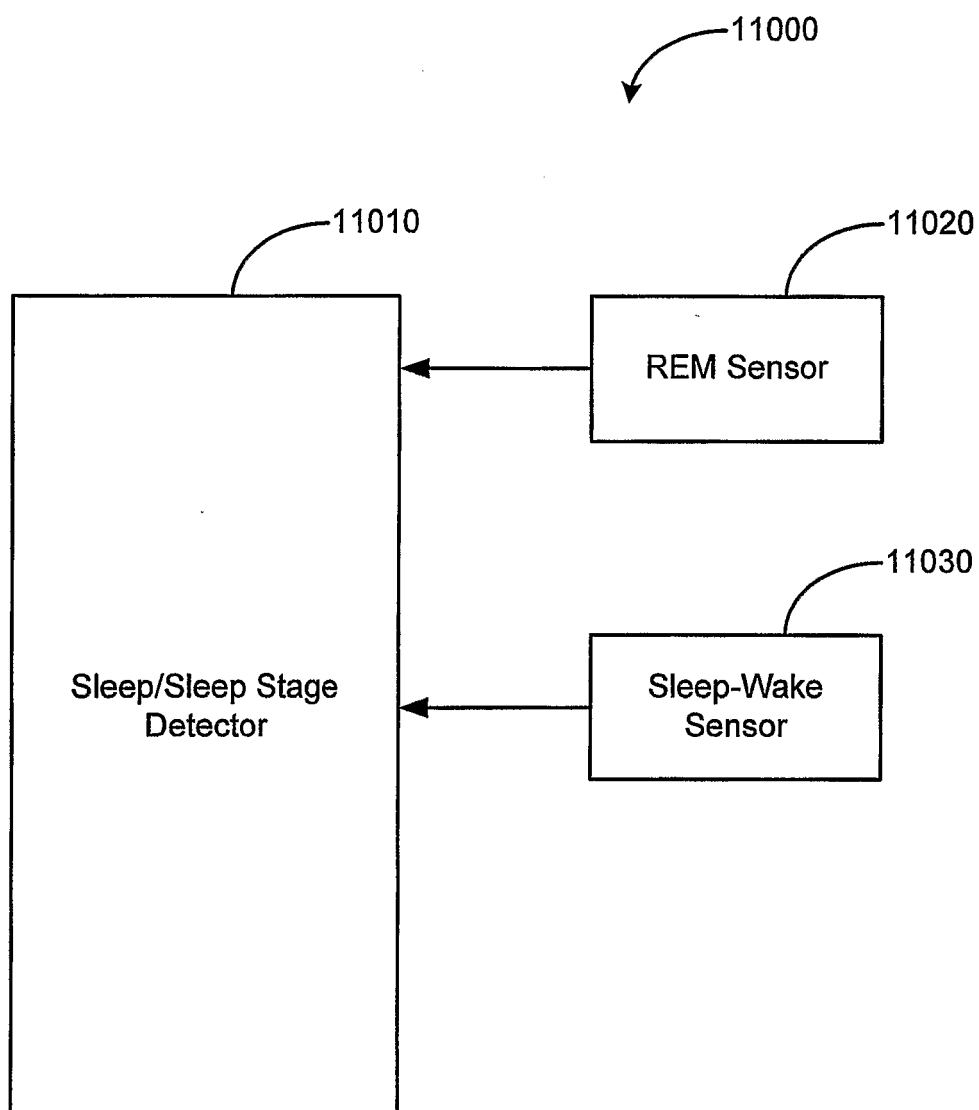


Figure 110

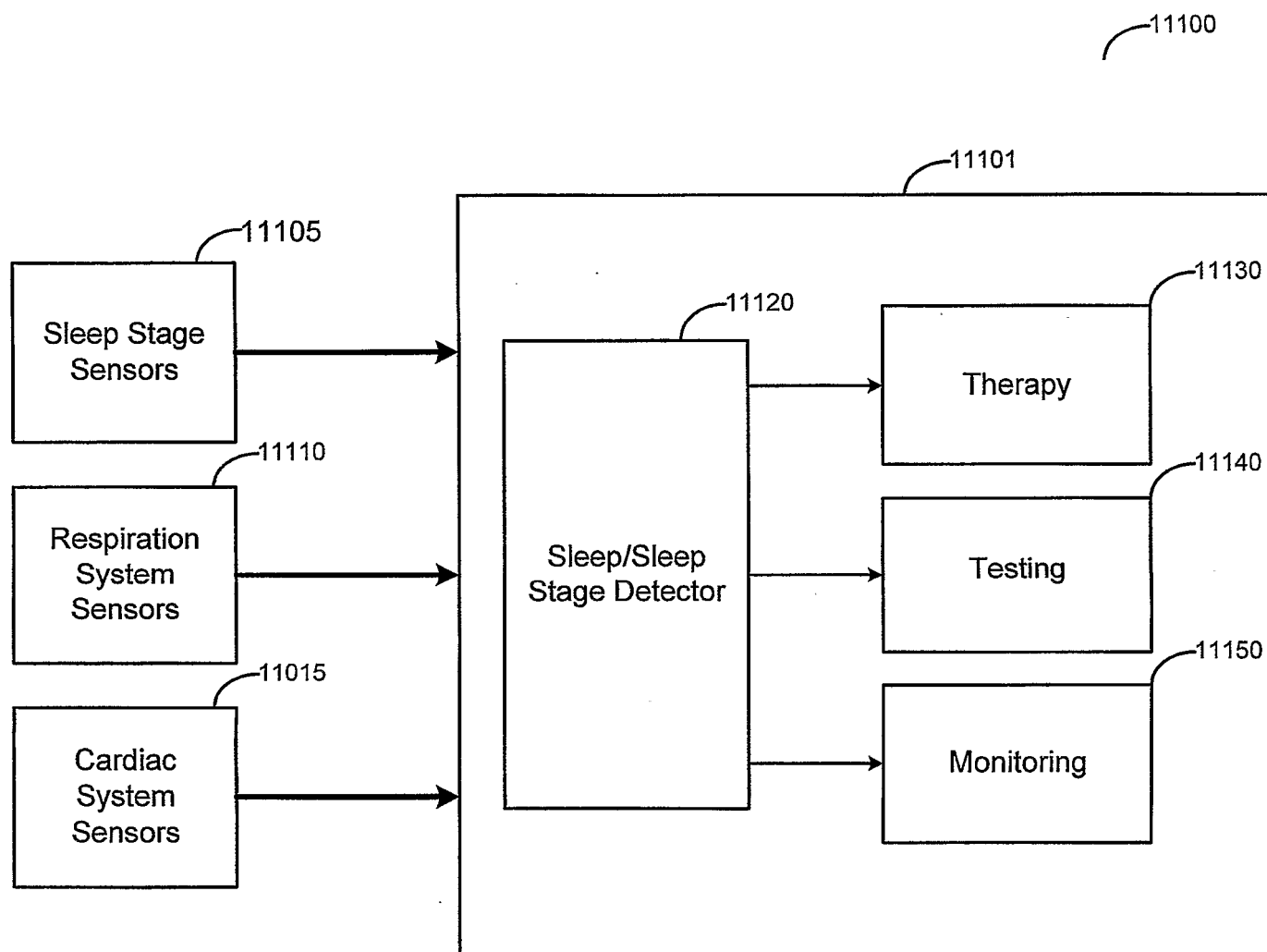


Figure 111

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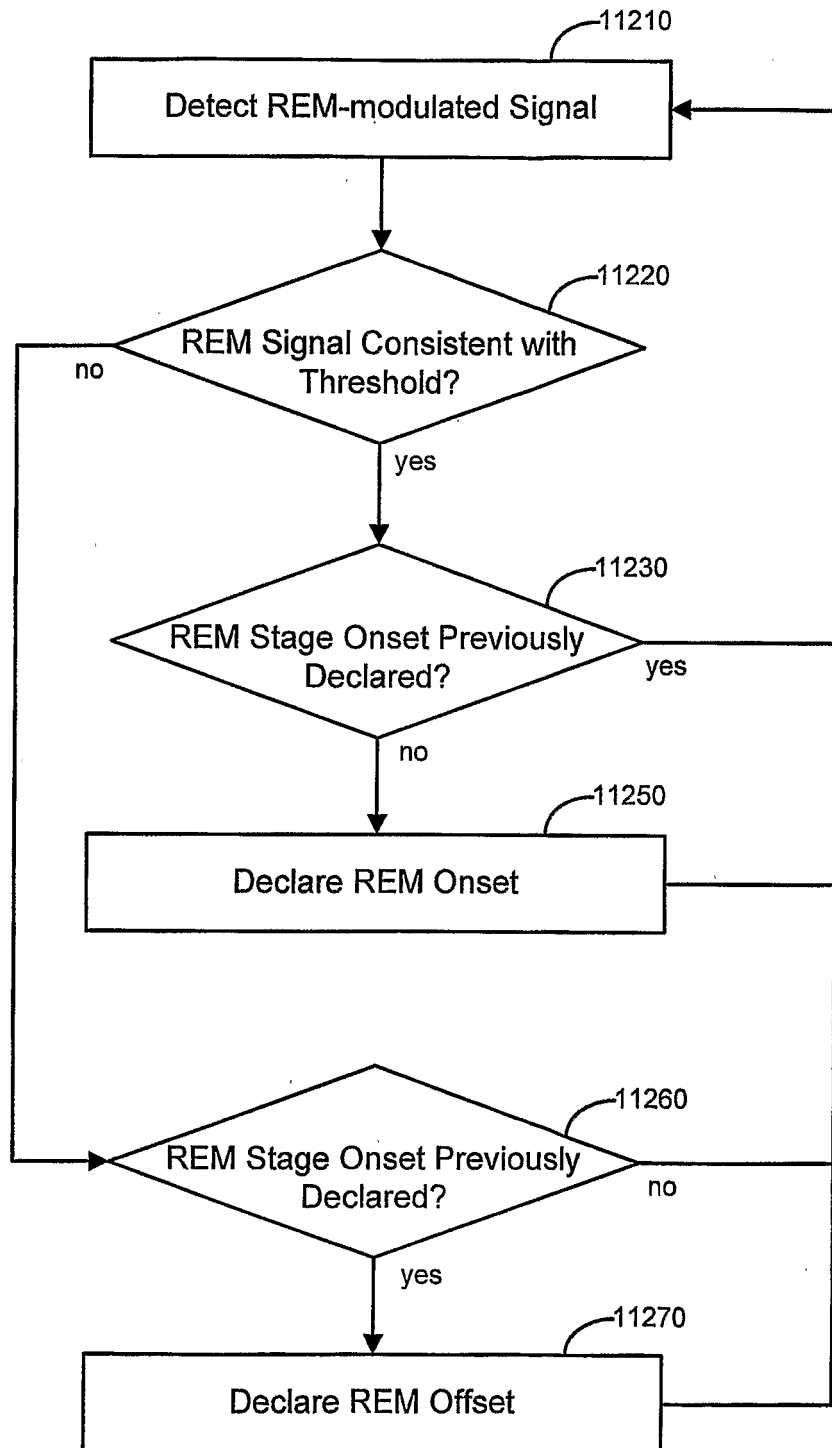


Figure 112

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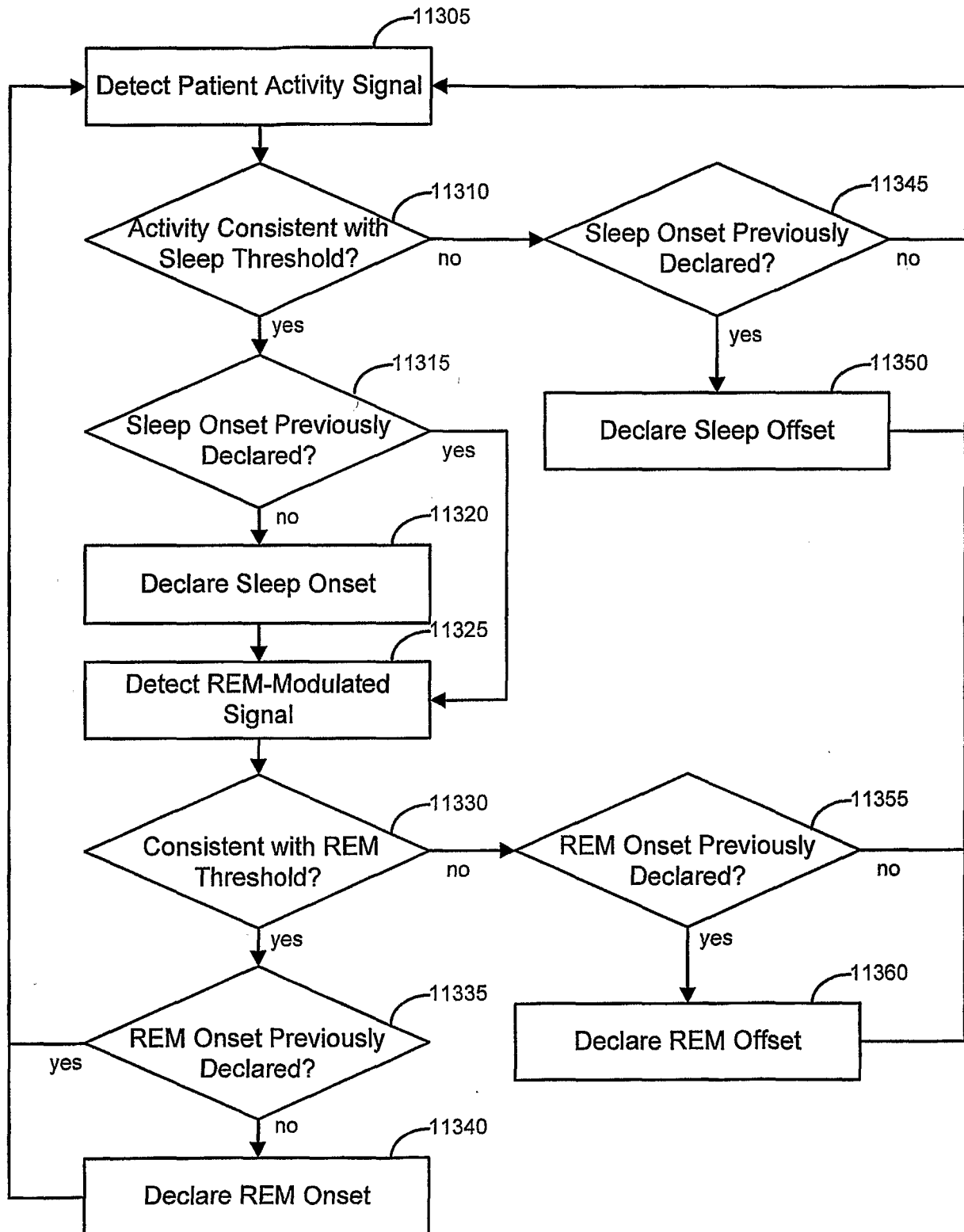


Figure 113

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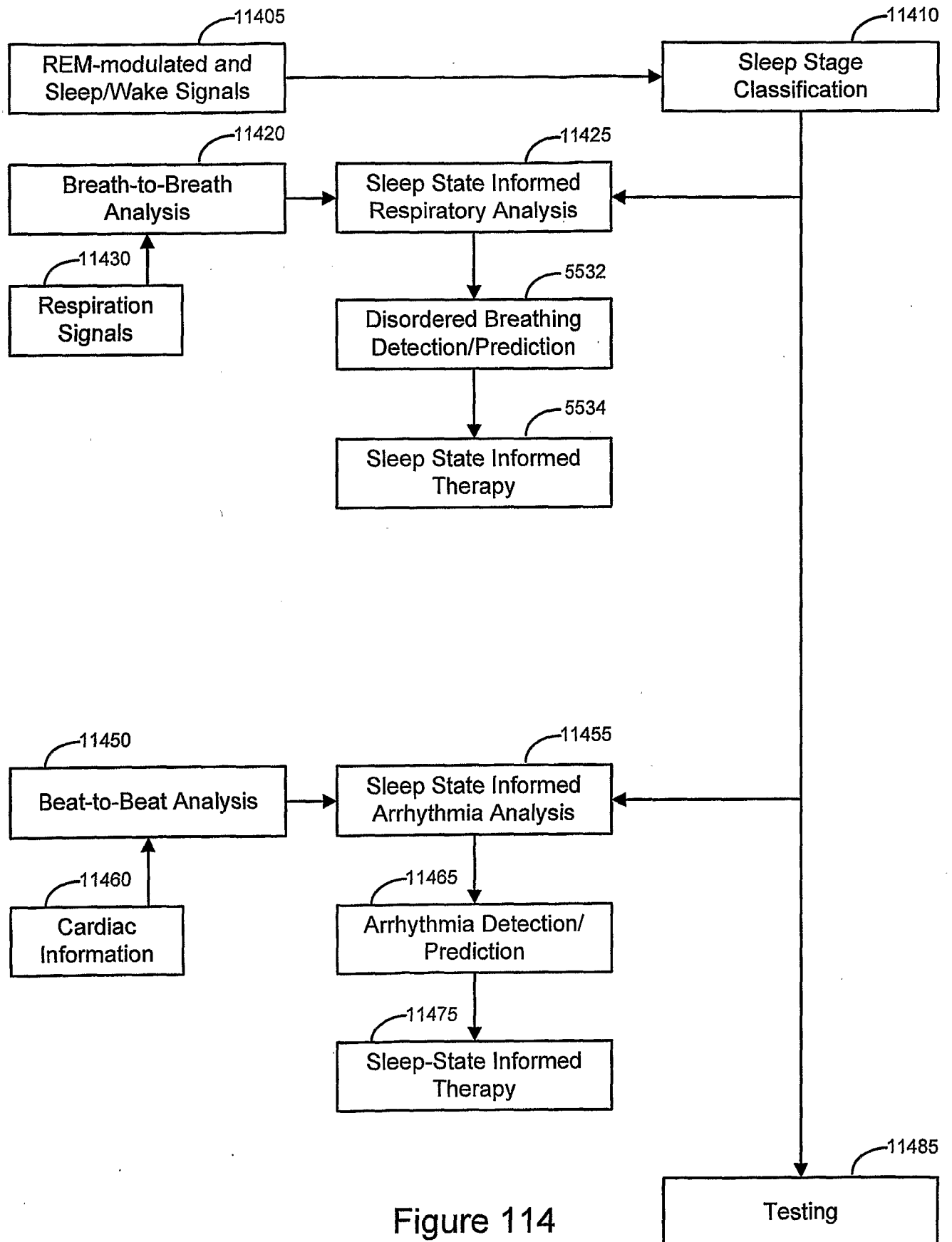


Figure 114

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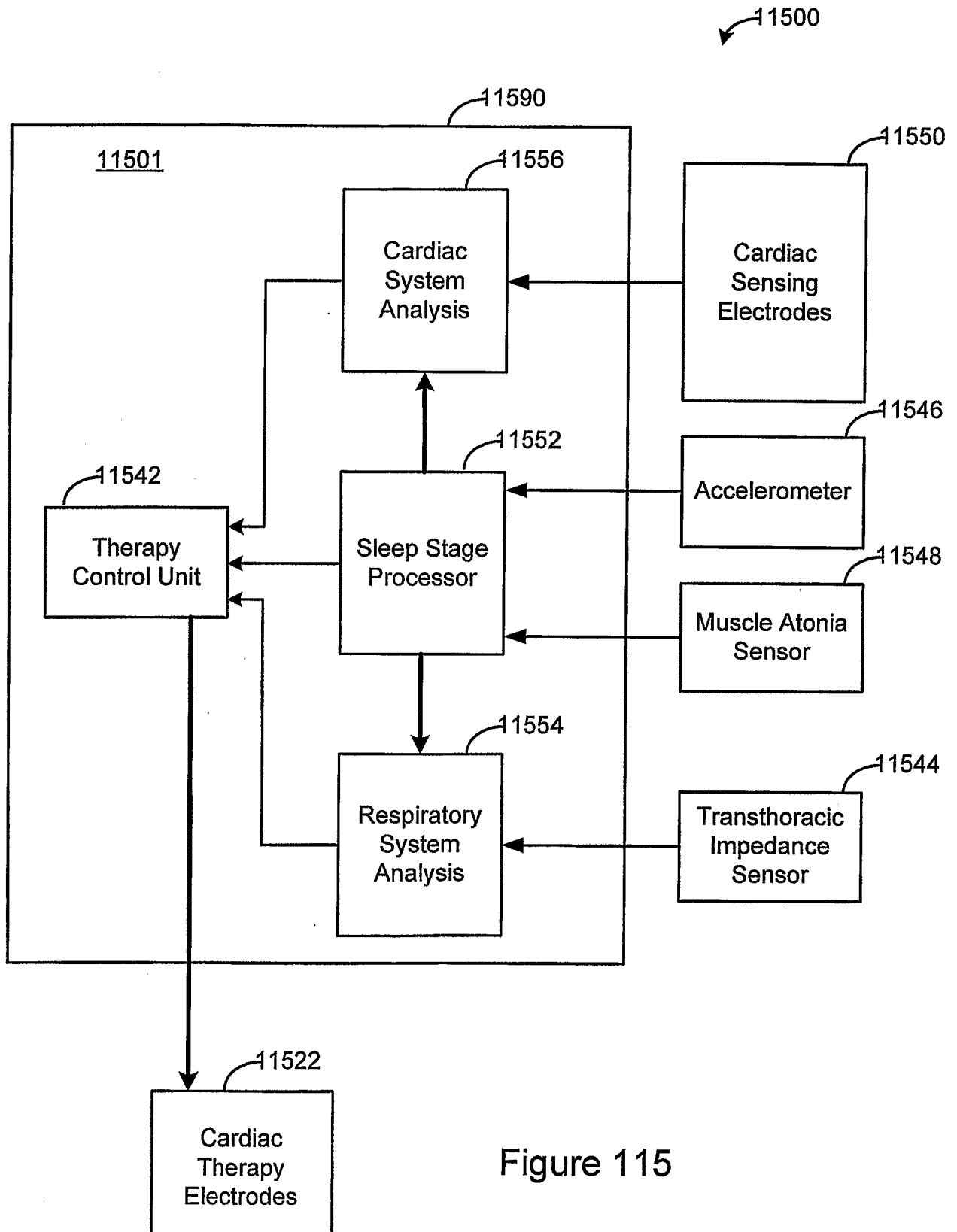


Figure 115

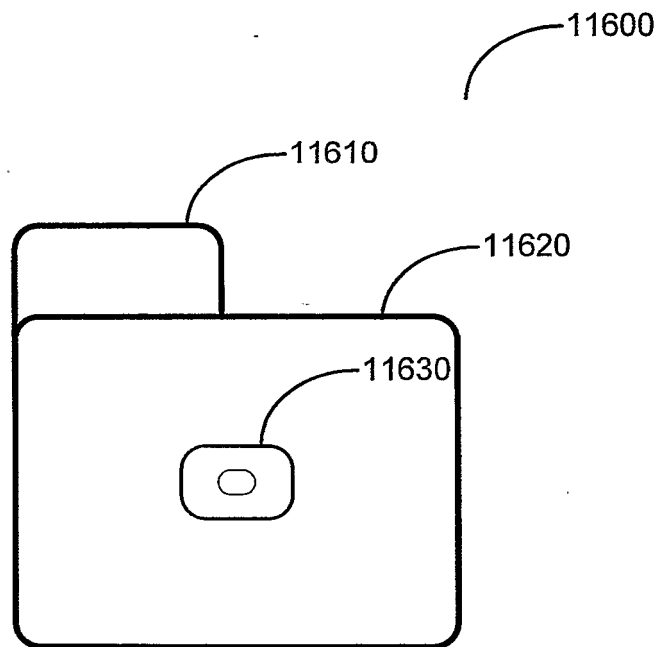


Figure 116A

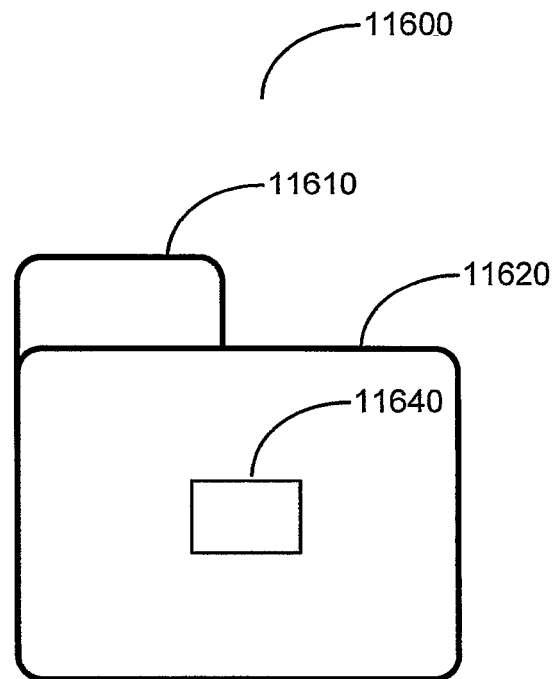


Figure 116B

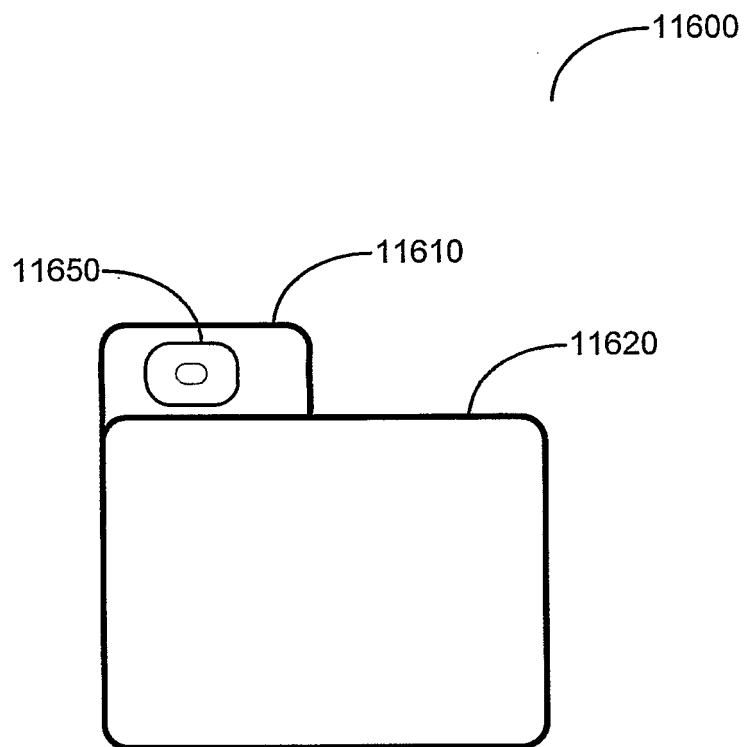


Figure 116C

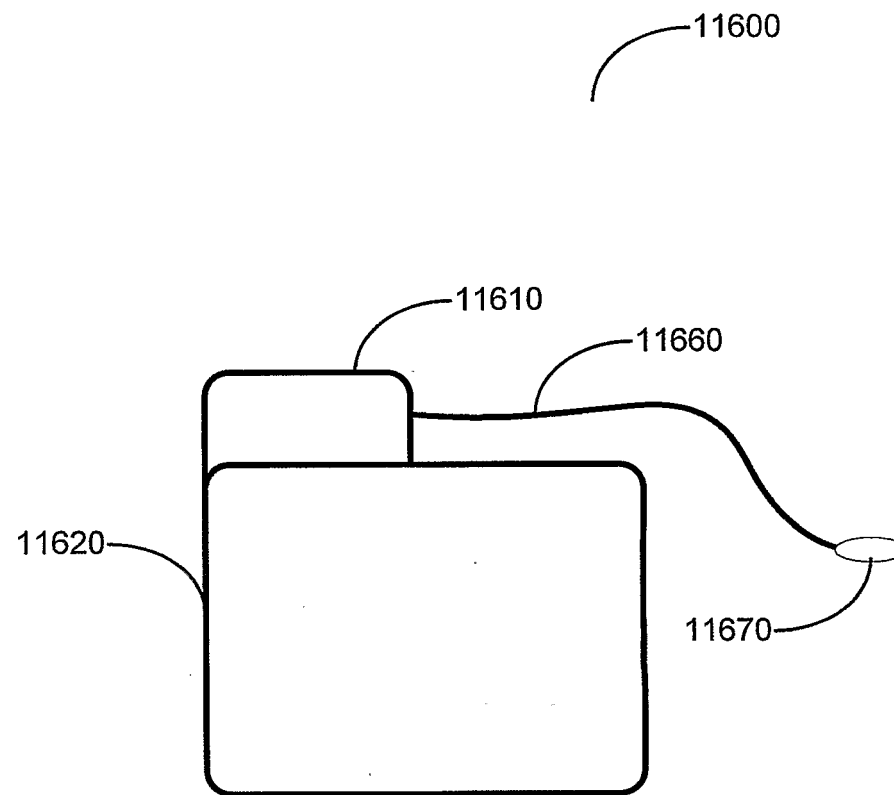


Figure 116D