

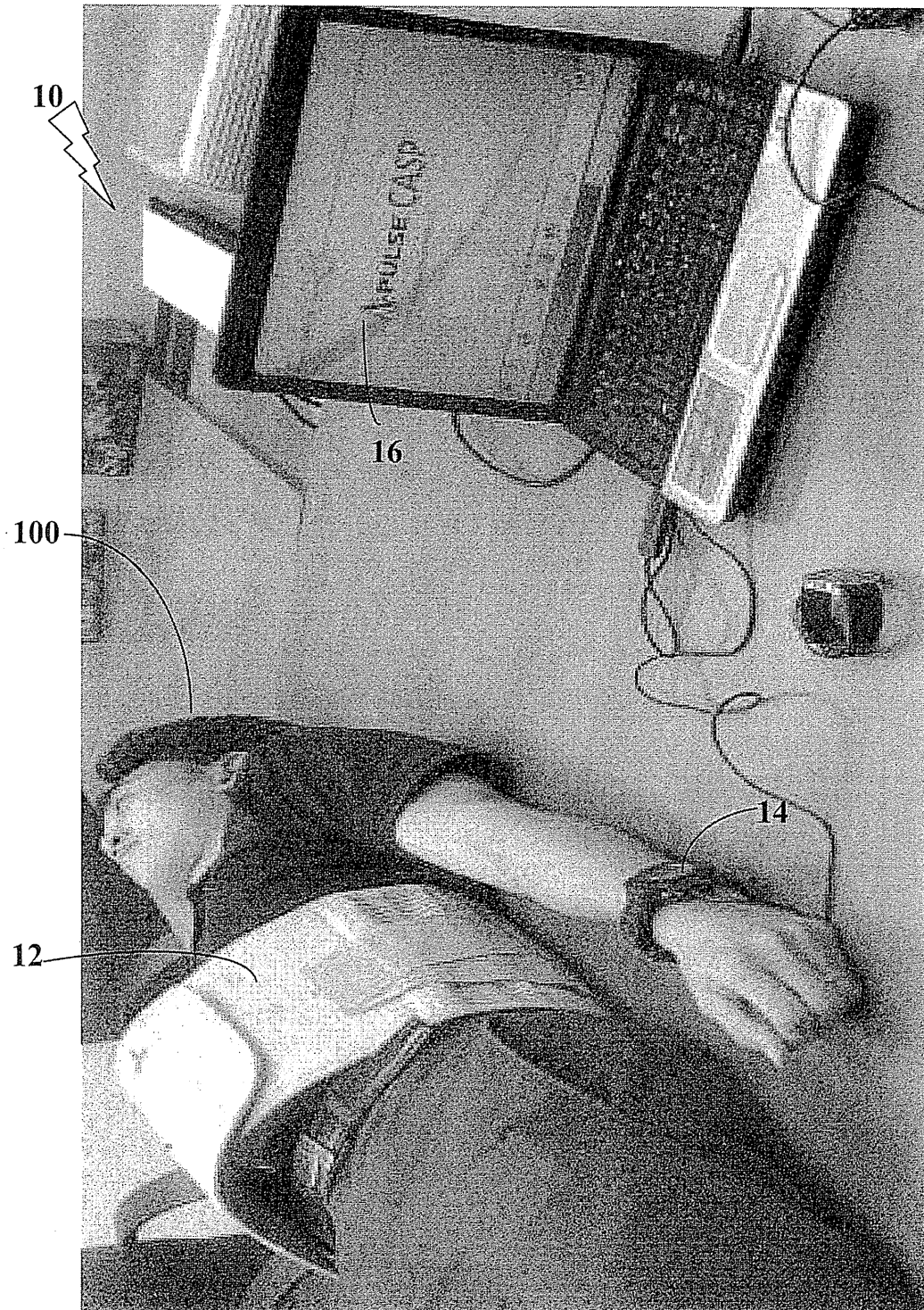


Fig. 1

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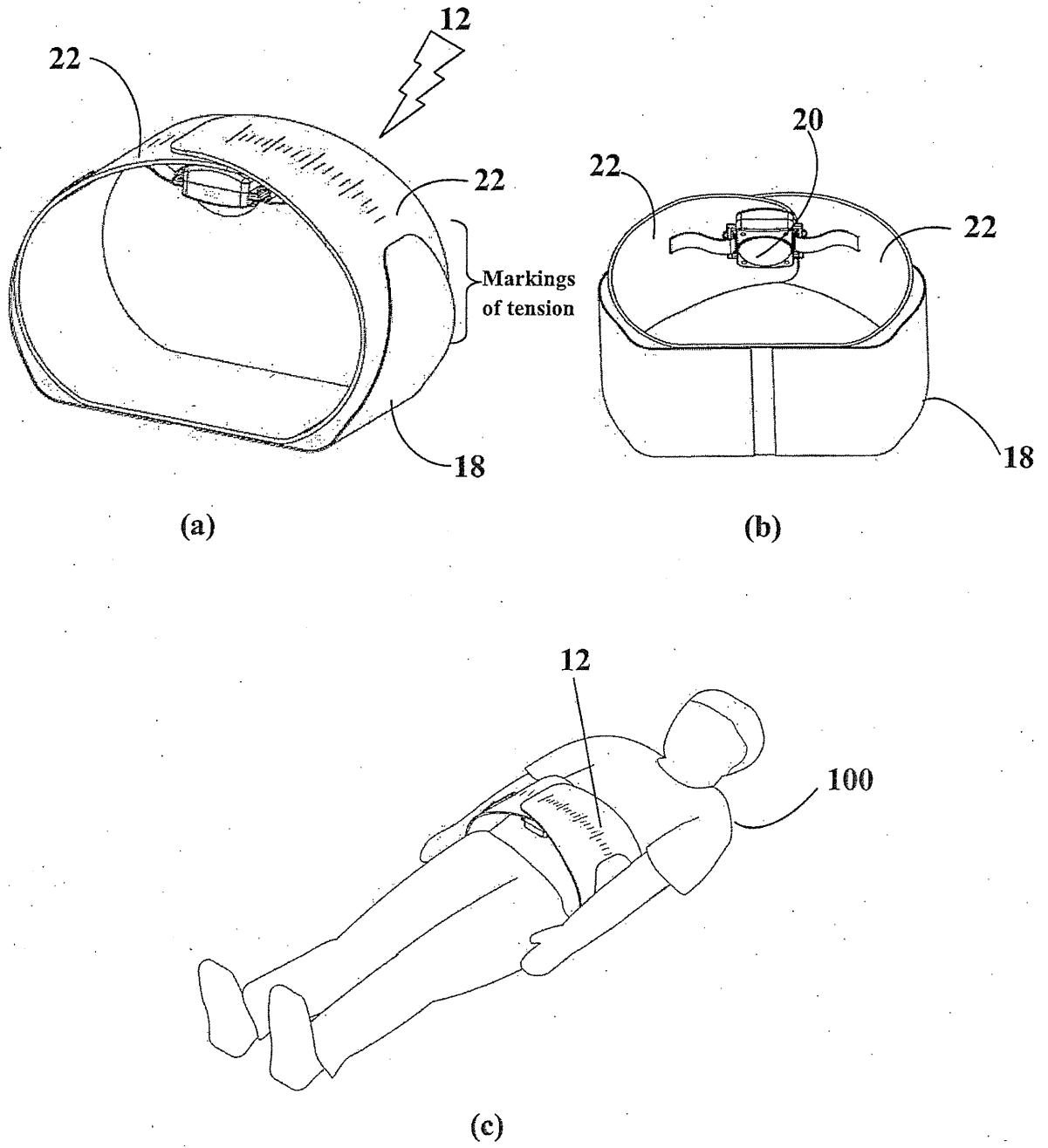


Fig. 2

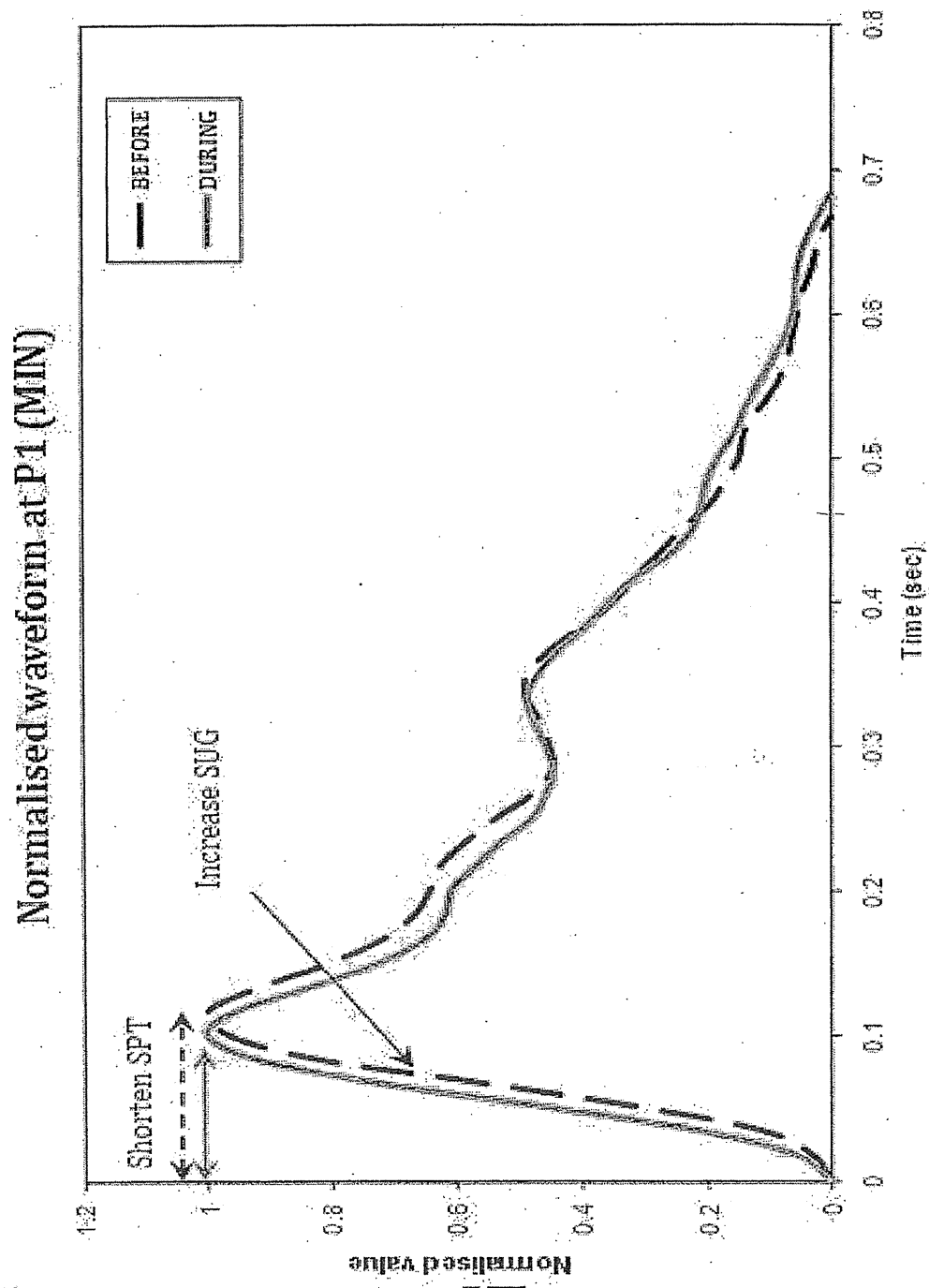


Fig. 3a

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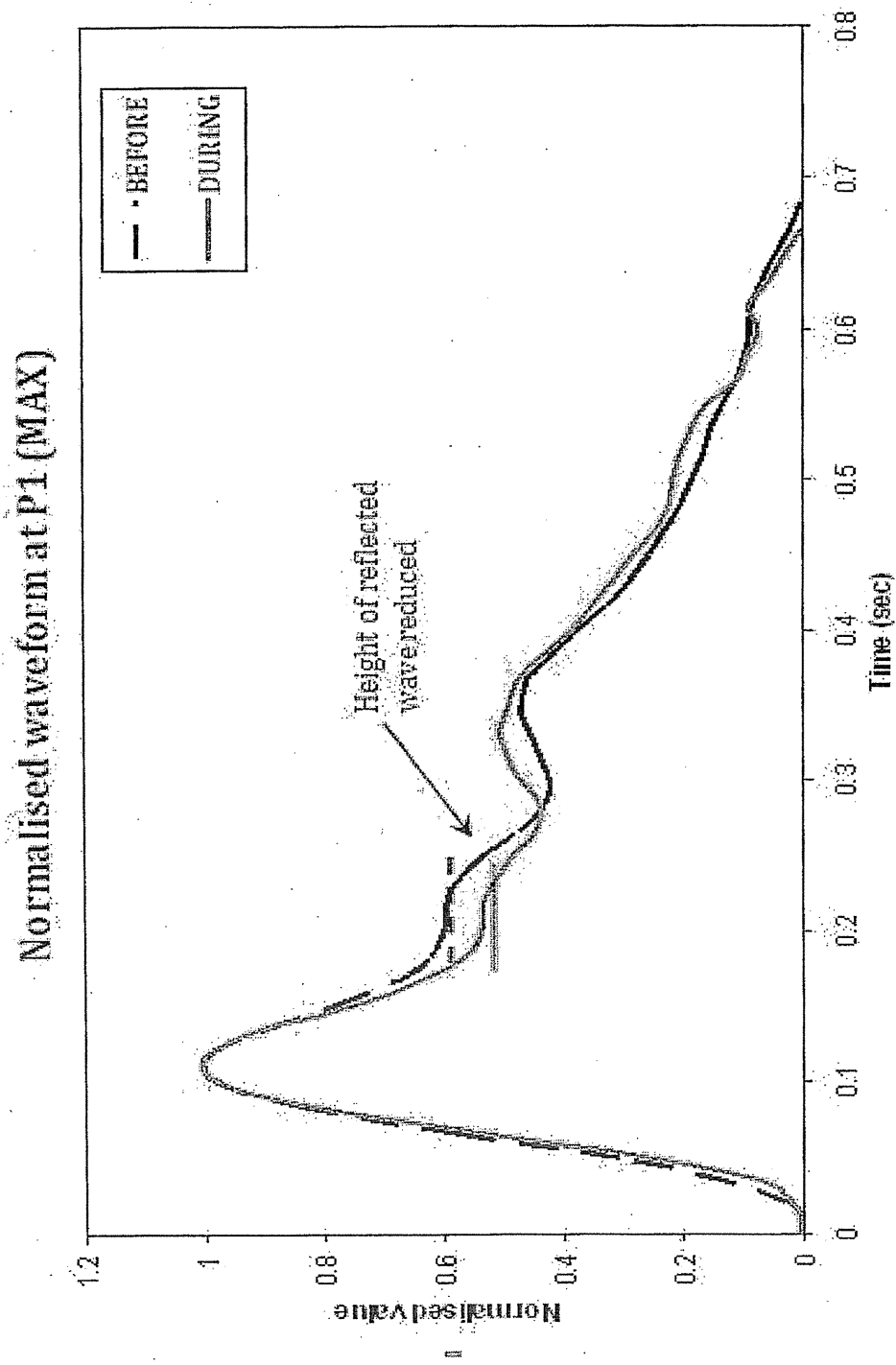


Fig. 3b

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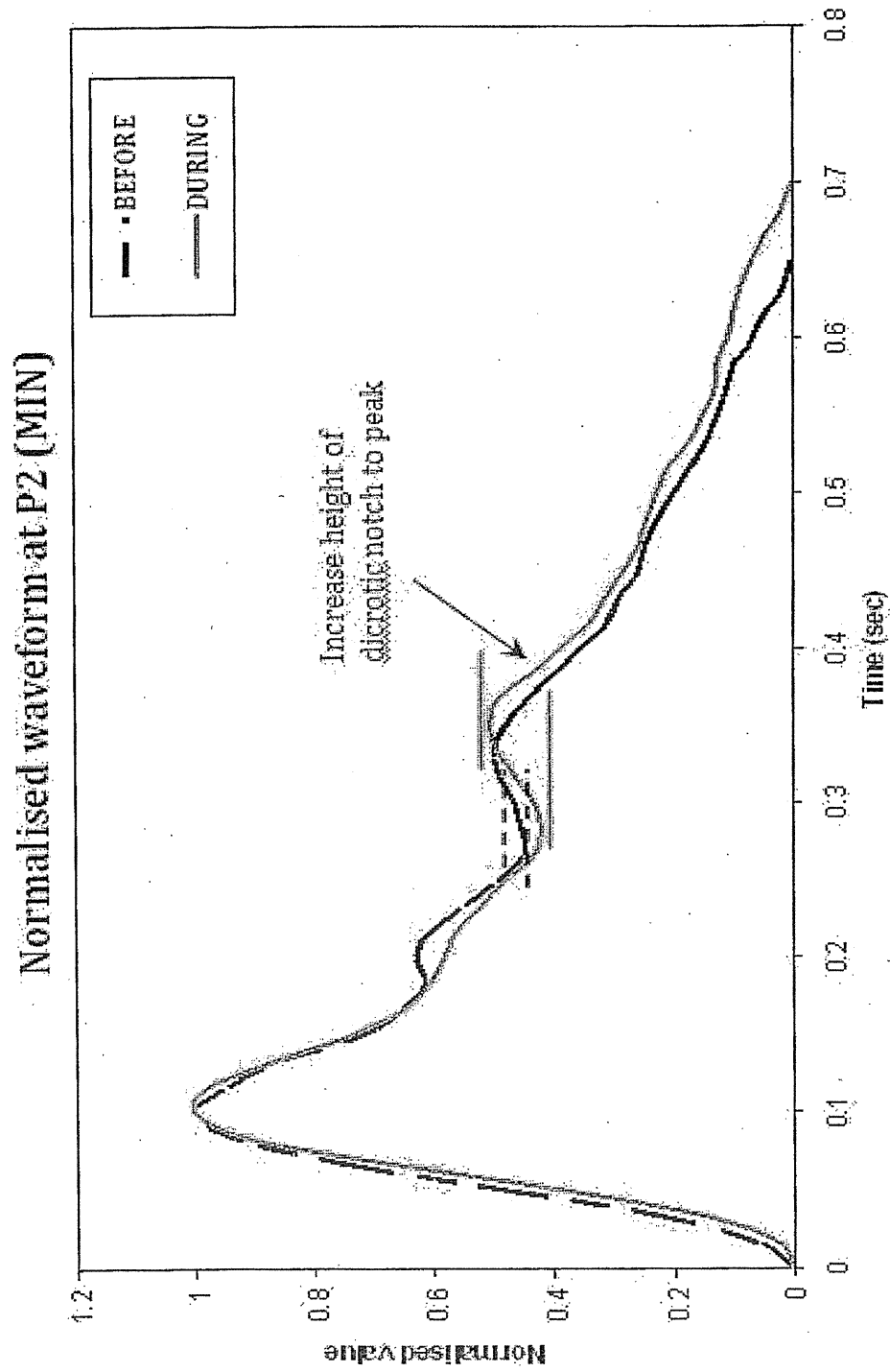


Fig. 3c

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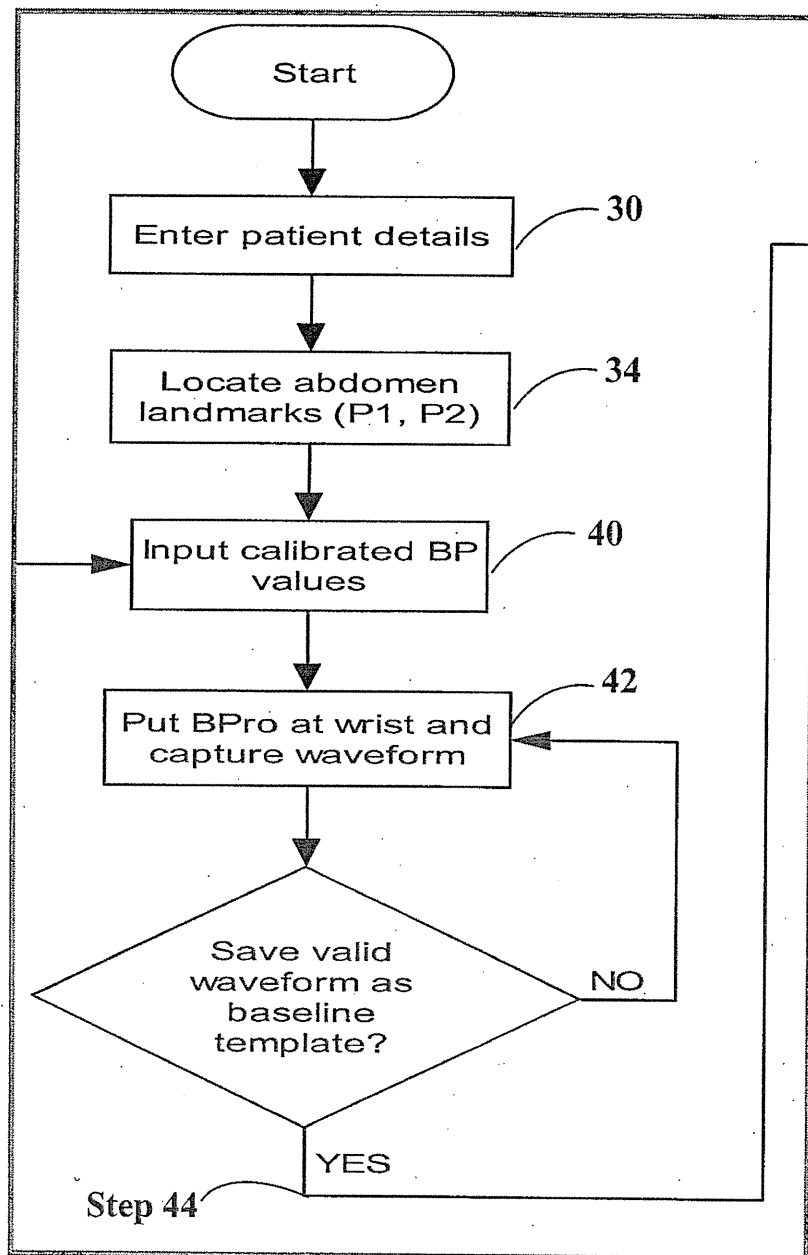


Fig. 4

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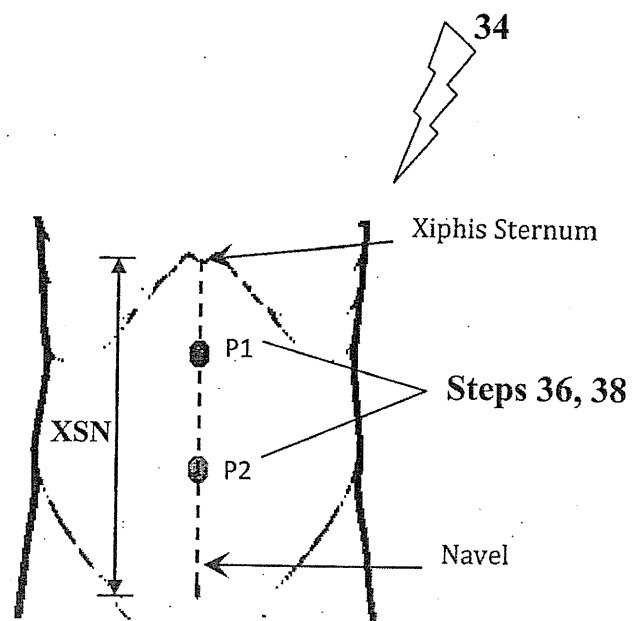


Fig. 5

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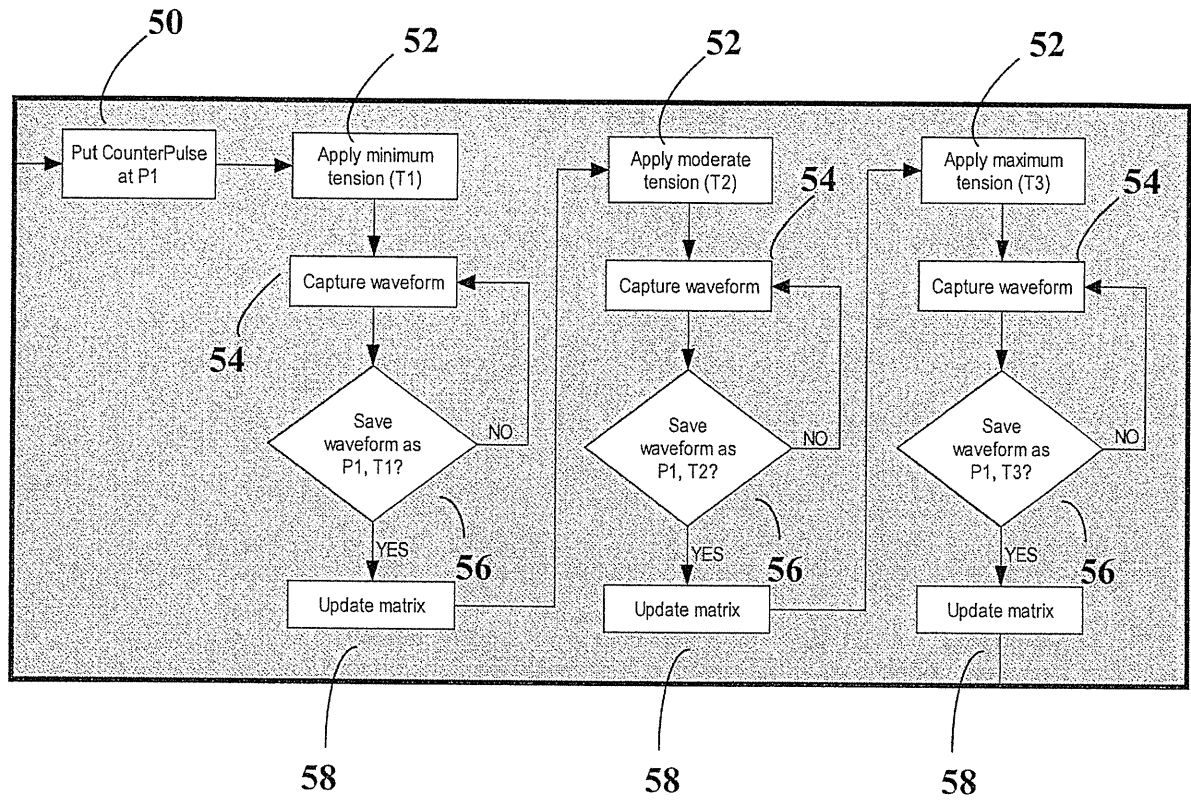


Fig. 6

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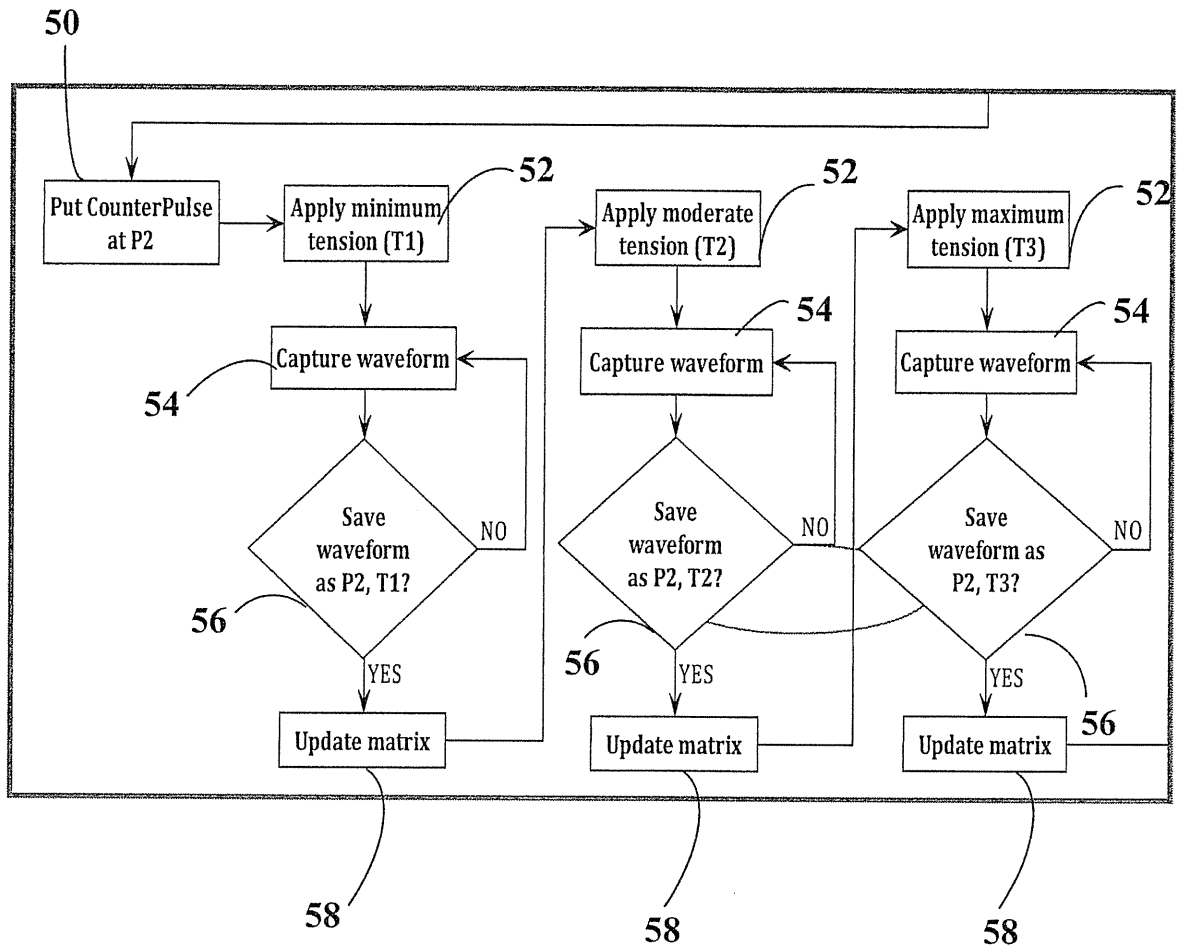


Fig. 7

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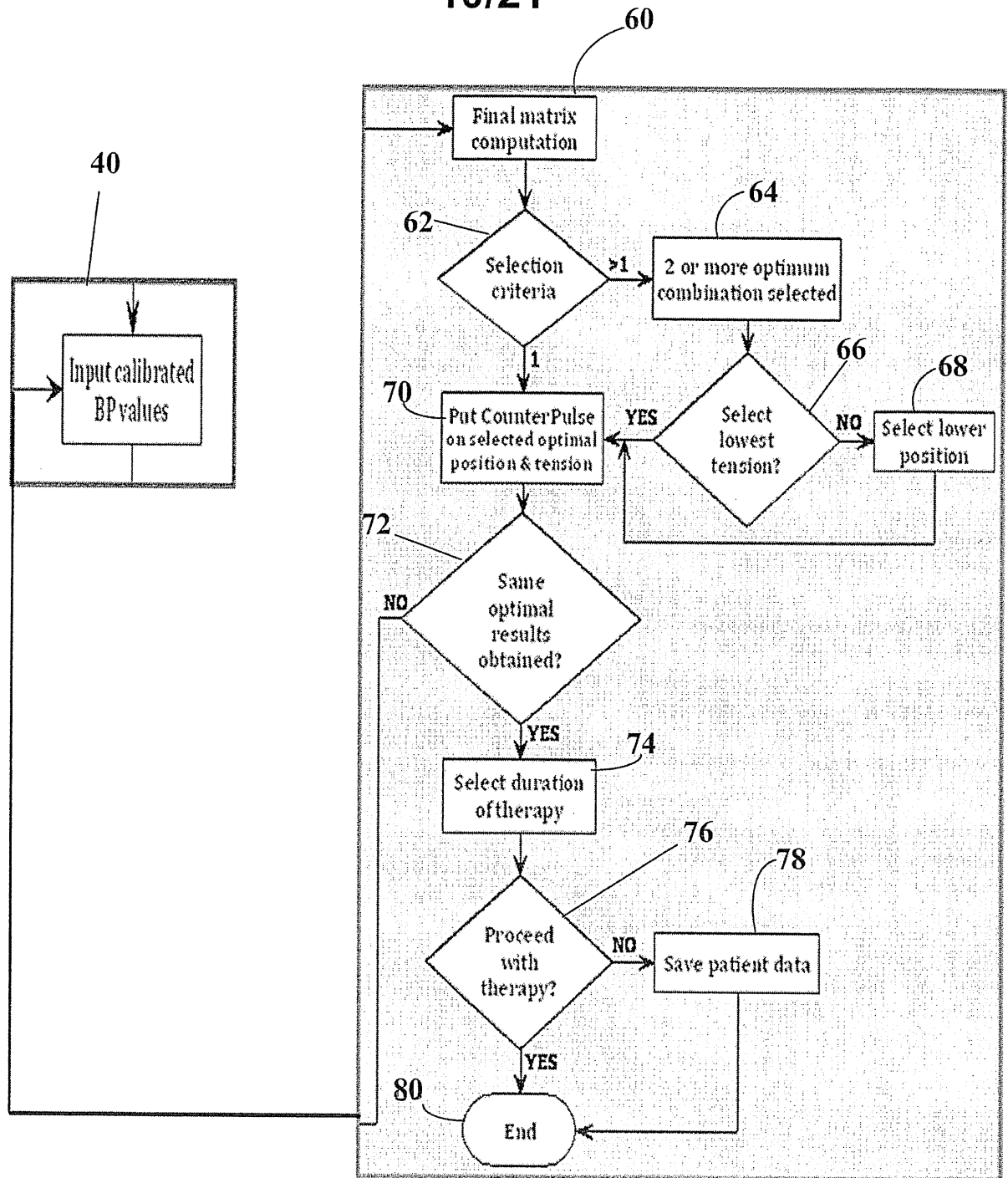


Fig. 8

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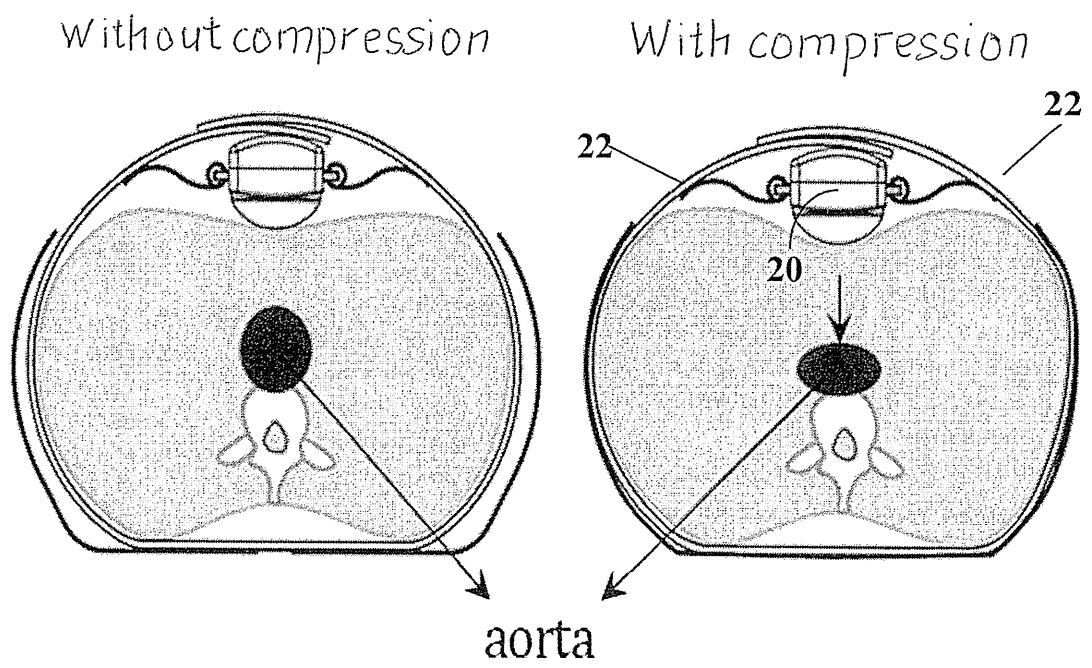


Fig. 9

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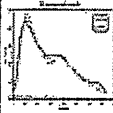
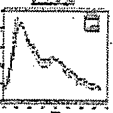
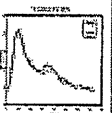
Percentage change	P1			P2			Ideal
	T1	T2	T3	T1	T2	T3	
Waveforms							—
SPT	17	0	-12.0	20.5	-17	0	↓
SUG	-6	0	26.6	-17.1	28.1	-2.9	↑
Height of reflected wave	-7.8	-12.6	-5.6	-5.7	0.7	9.7	↓
Net aortic notch to peak height	191.7	111.8	106.3	-16.7	-6.7	14.8	↑
PR	4.9	-2.4	7.5	-4.5	7.3	23.3	↓

Fig. 10

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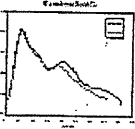
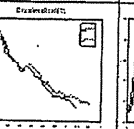
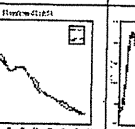
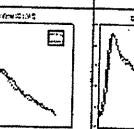
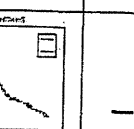
Percentage change	P1			P2			Ideal
	T1	T2	T3	T1	T2	T3	
Waveforms							—
SPT	0	0	0	14.5	14.5	0	↓
SUG	-5.7	0	0	14.1	11.1	2.6	↑
Height of reflected wave	2.4	4.1	0.1	6.1	-3.7	-1.7	↓
Net dicrotic notch-peak height	-50.0	9.7	-28.1	15.8	27.8	45.5	↑
PR	12.3	-2.7	-13.0	-1.4	2.9	1.5	↓

Fig. 11

Percentage Change	1/3 XPN		2/3 XPN		Ideal
	MIN	MAX	MIN	MAX	
SPT	-14.5	0	0	0	↓
SUG	35.0	0	0	-6.3	↑
Height of reflected wave	0.7	-3.5	-2.2	0.1	↓
Net Height of dicrotic notch to peak	7.1	53.3	68.8	75	↑
PR	-2.2	2.3	-6.5	-9.1	↓

Fig. 12

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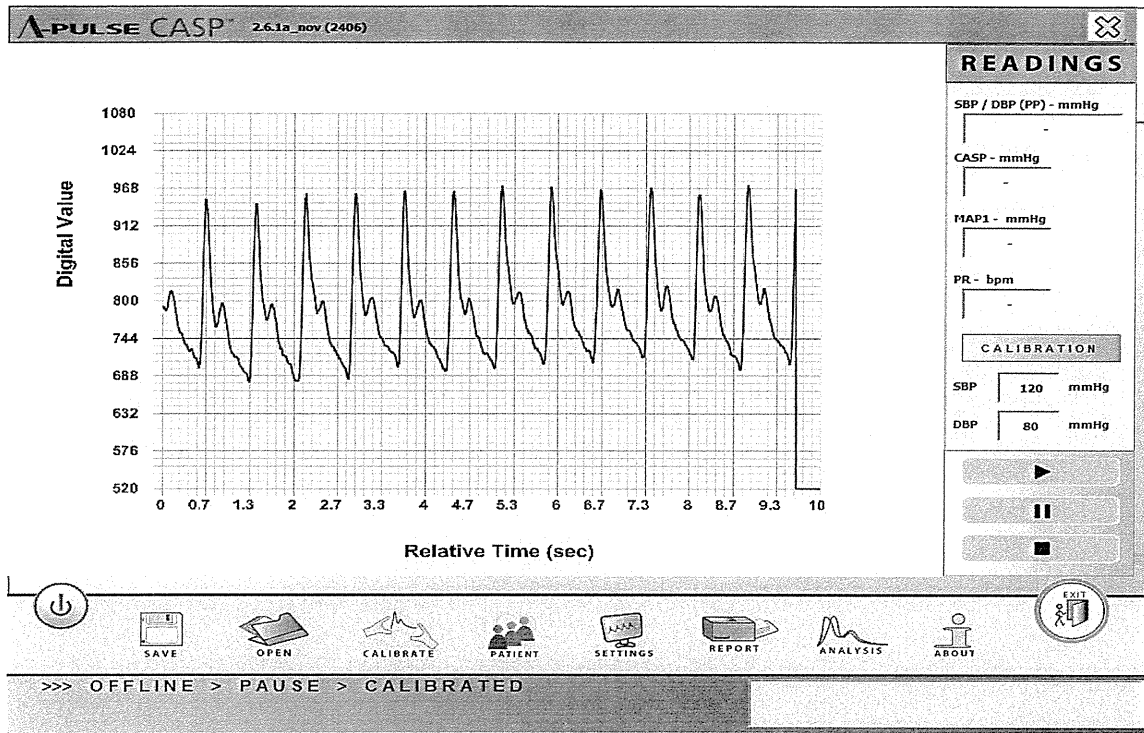


Fig. 13a

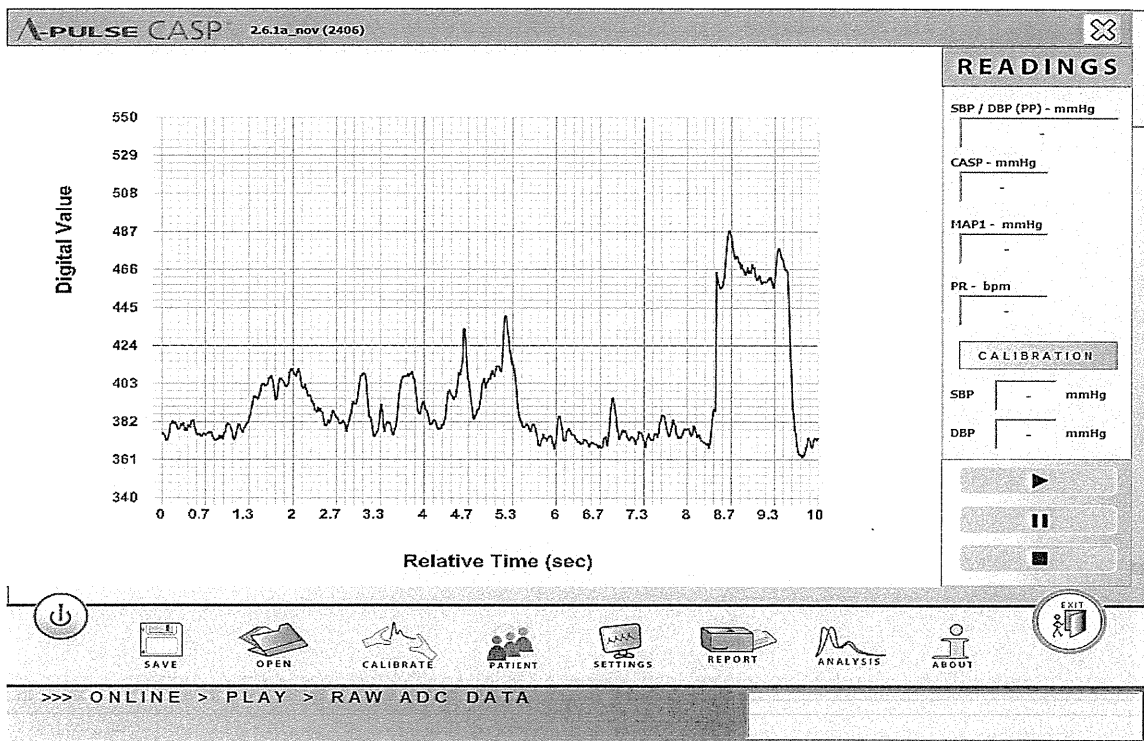


Fig. 13b

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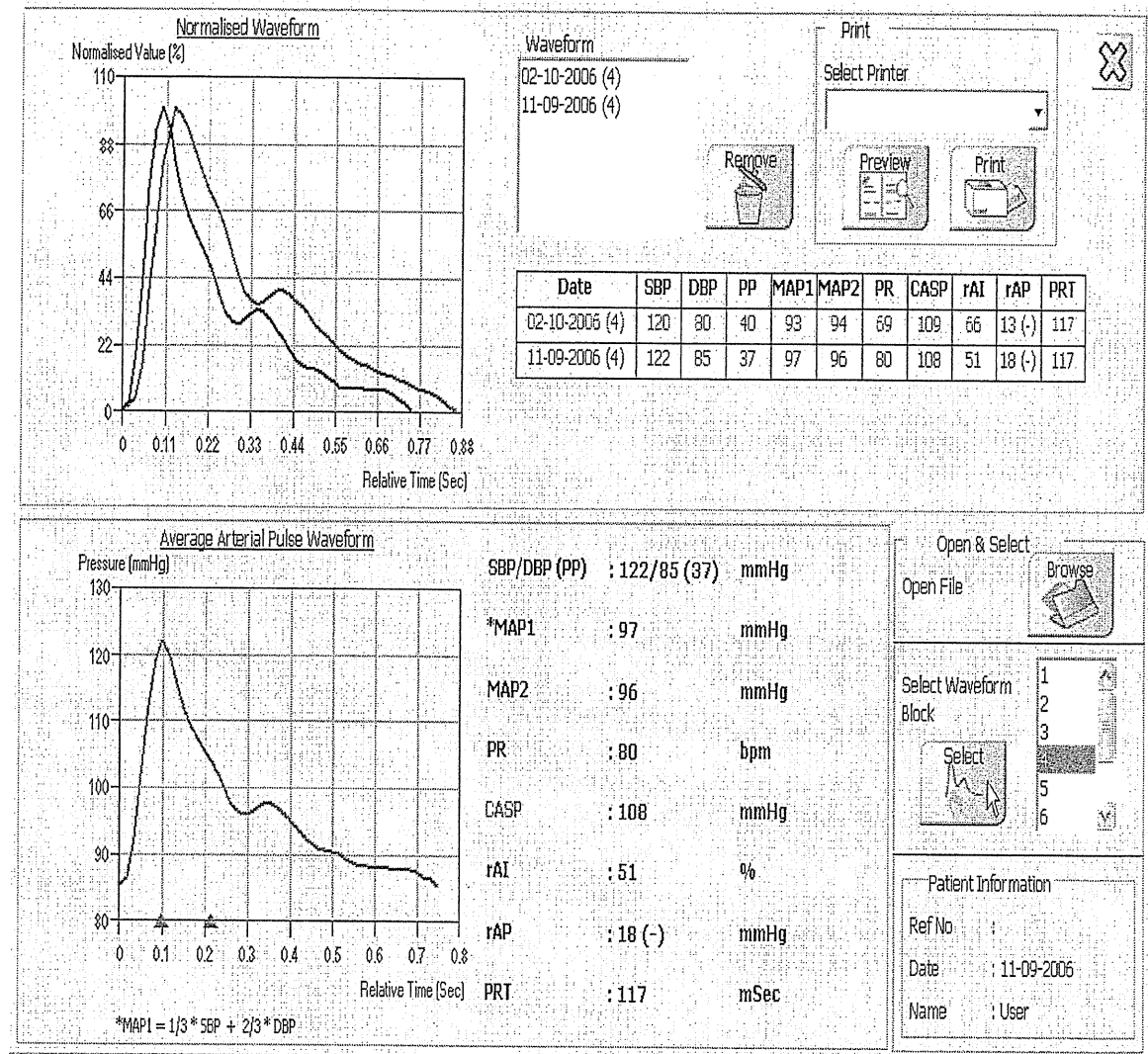
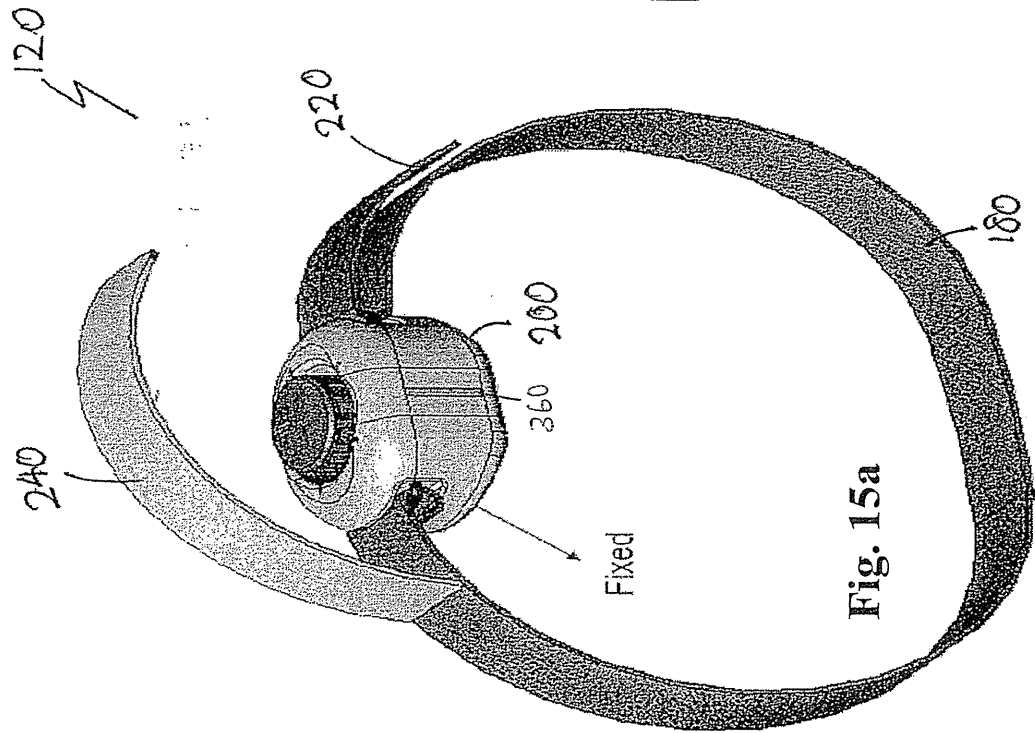
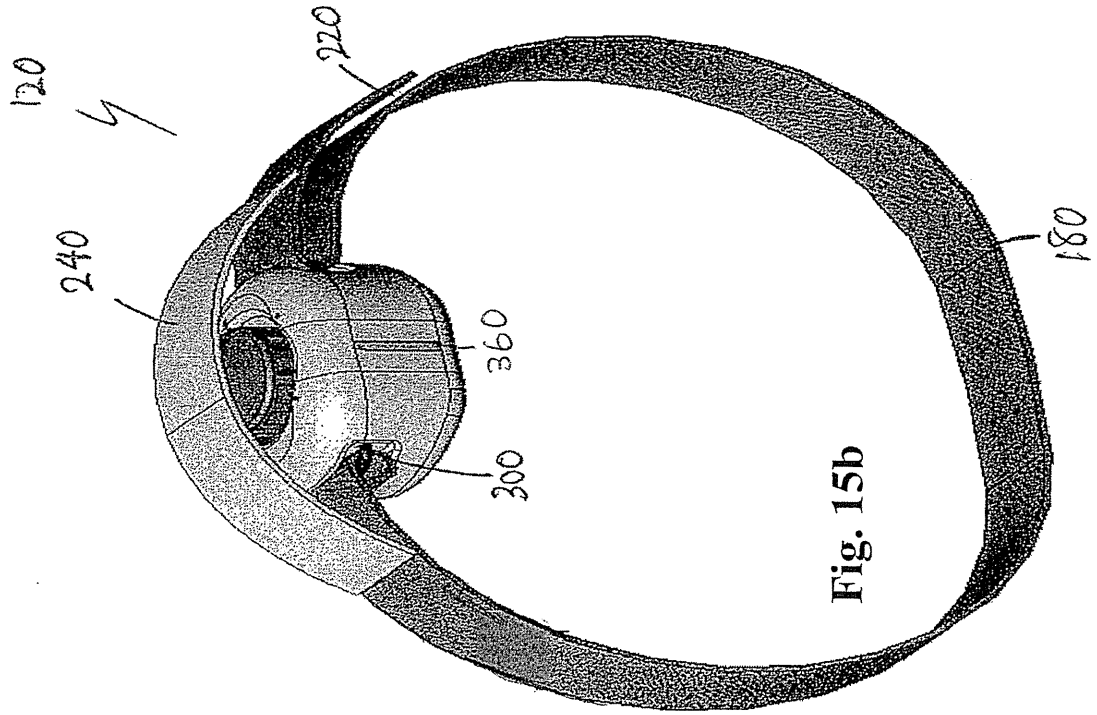


Fig. 14



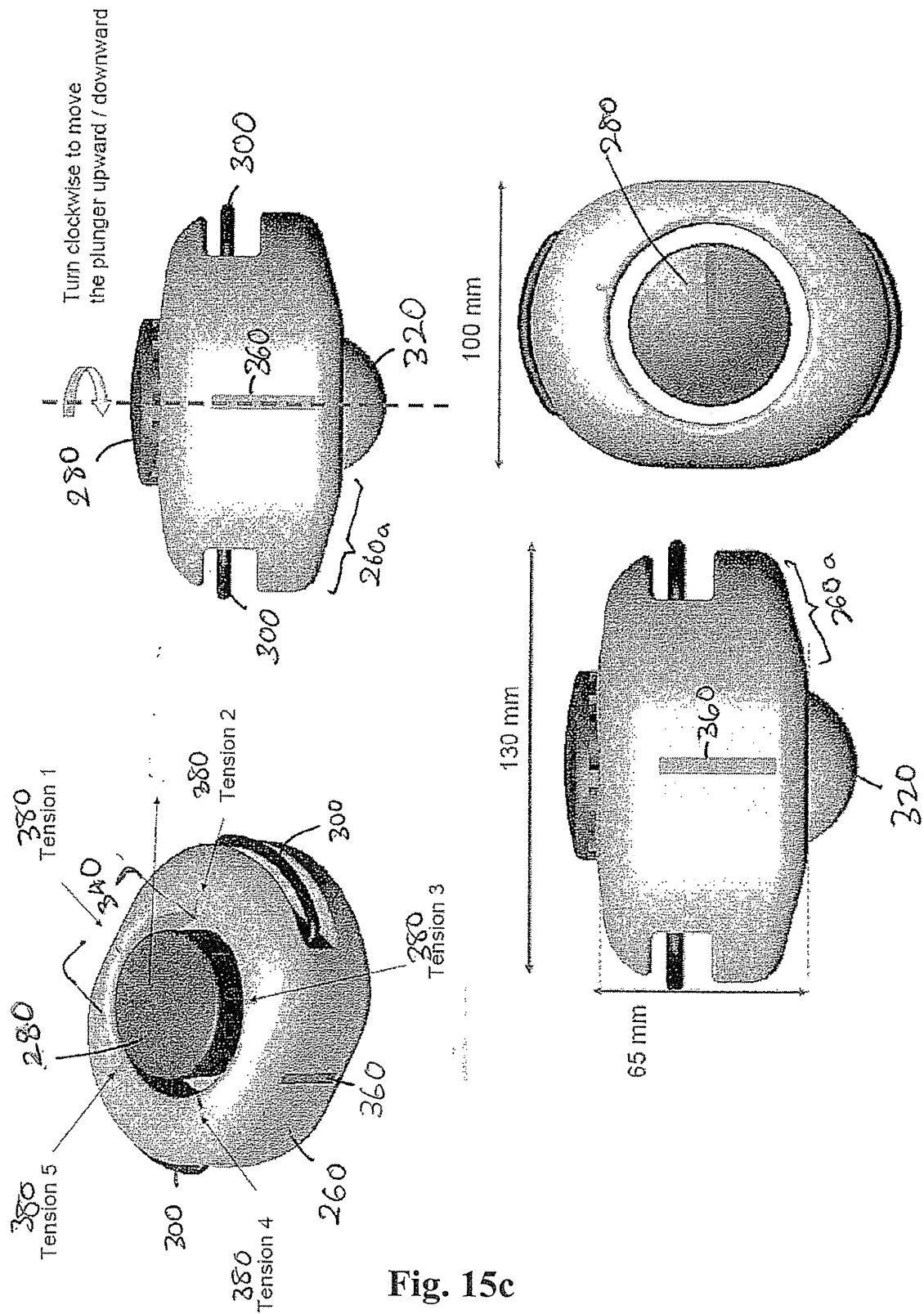


Fig. 15c

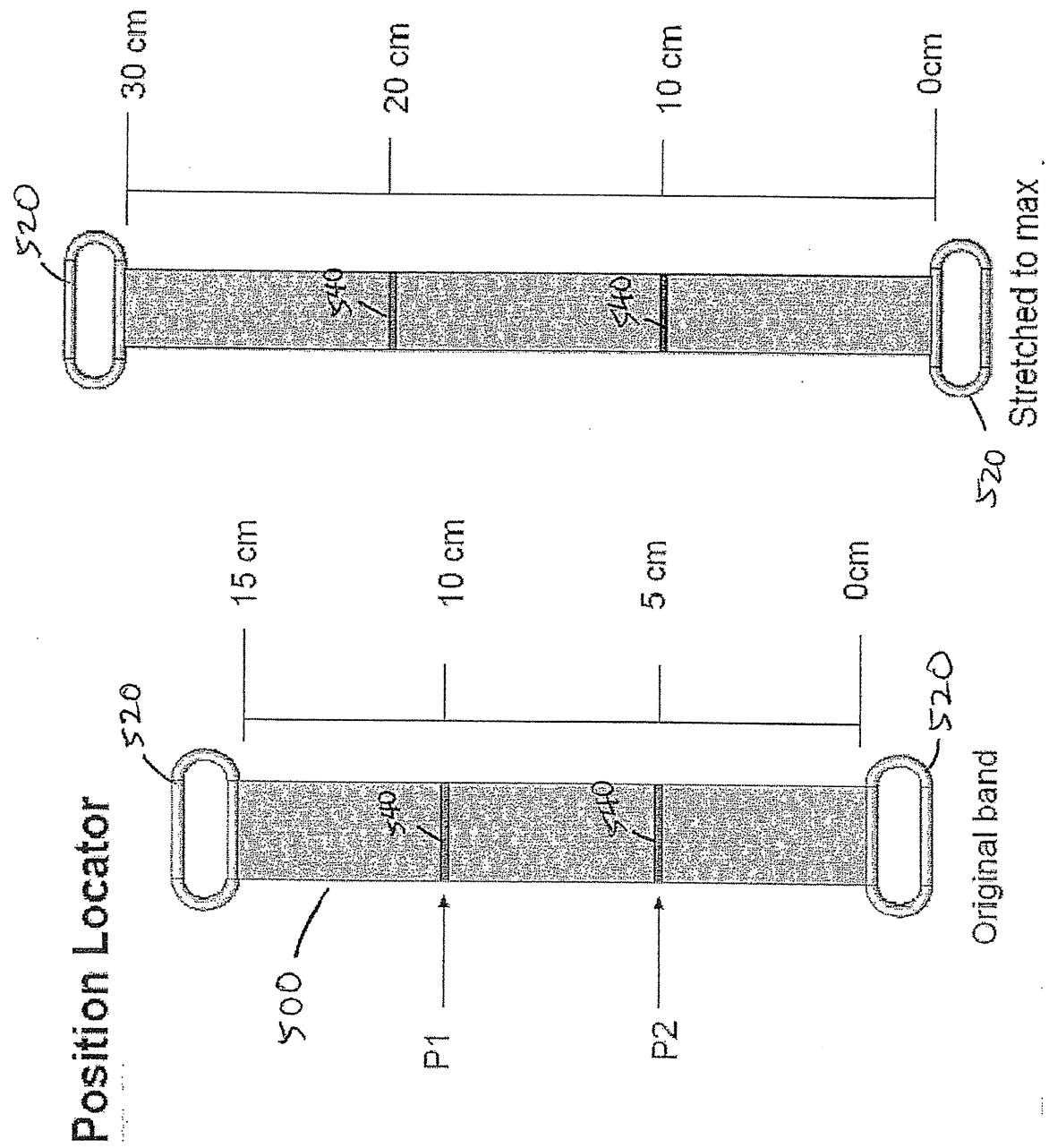


Fig. 16

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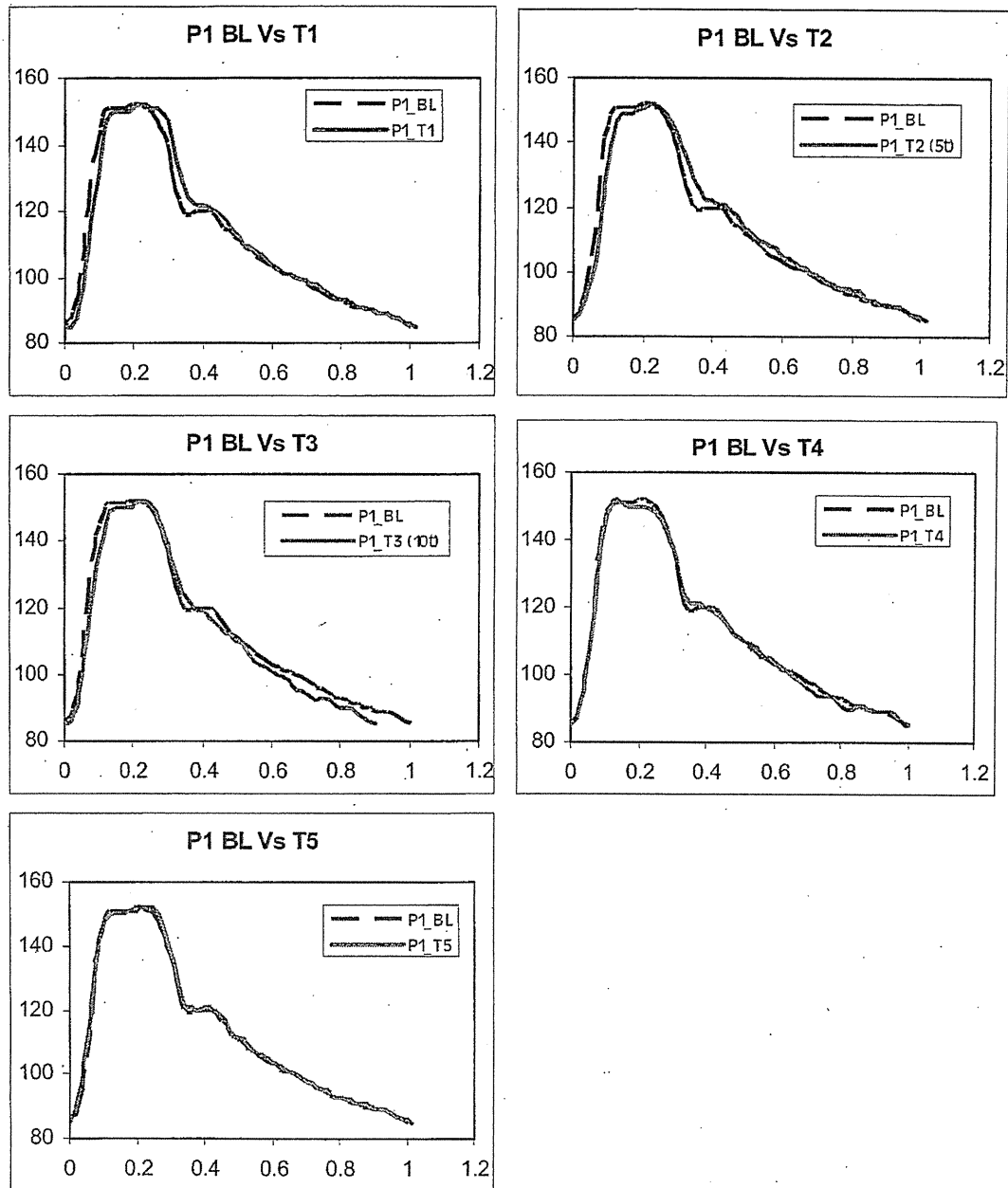


Fig. 17a

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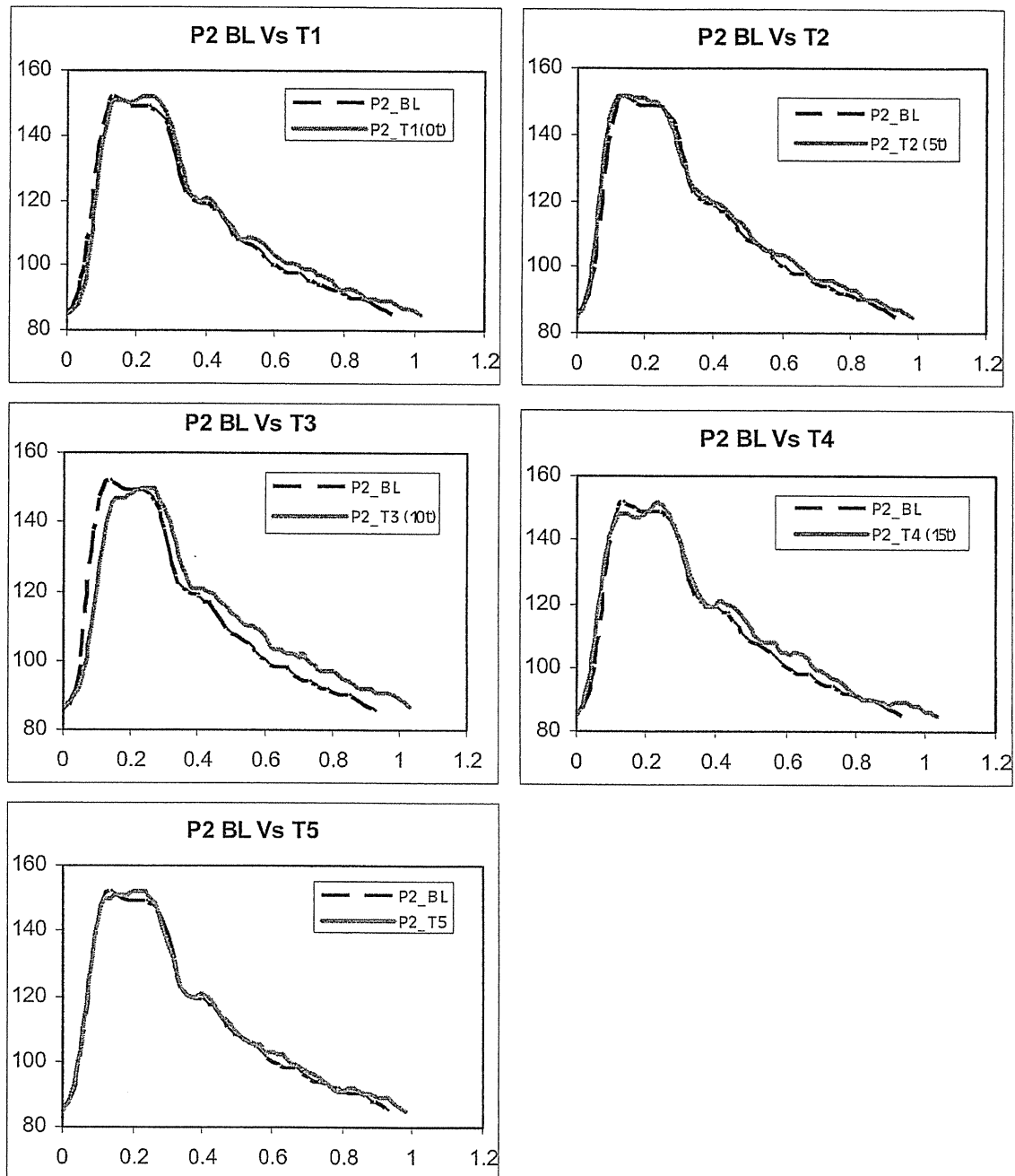


Fig. 17b

Percentage Change	P1_T1	P1_T2	P1_T3	P1_T4	P1_T5	P2_T1	P2_T2	P2_T3	P2_T4	P2_T5	Ideal
SPT	12.8	12.8	12.8	0	0	0	-12.8	12.9	-12.8	-12.8	↓
SUG	-11.3	-11.3	-11.3	0	0	0	-13.7	-16.7	-13.7	-13.7	↑
Ht (reflected wave)	0	0	0	-100	0	2.0	0.7	0.7	2.0	2.0	↓
Ht (dicrotic notch to 2nd peak)	-100	-100	-100	-100	0	100	0	0	200	100	↑
PR	-17.7	-17.7	11.7	0	-17.7	0	3.4	-17.7	-17.7	3.4	↓

Fig. 17c