

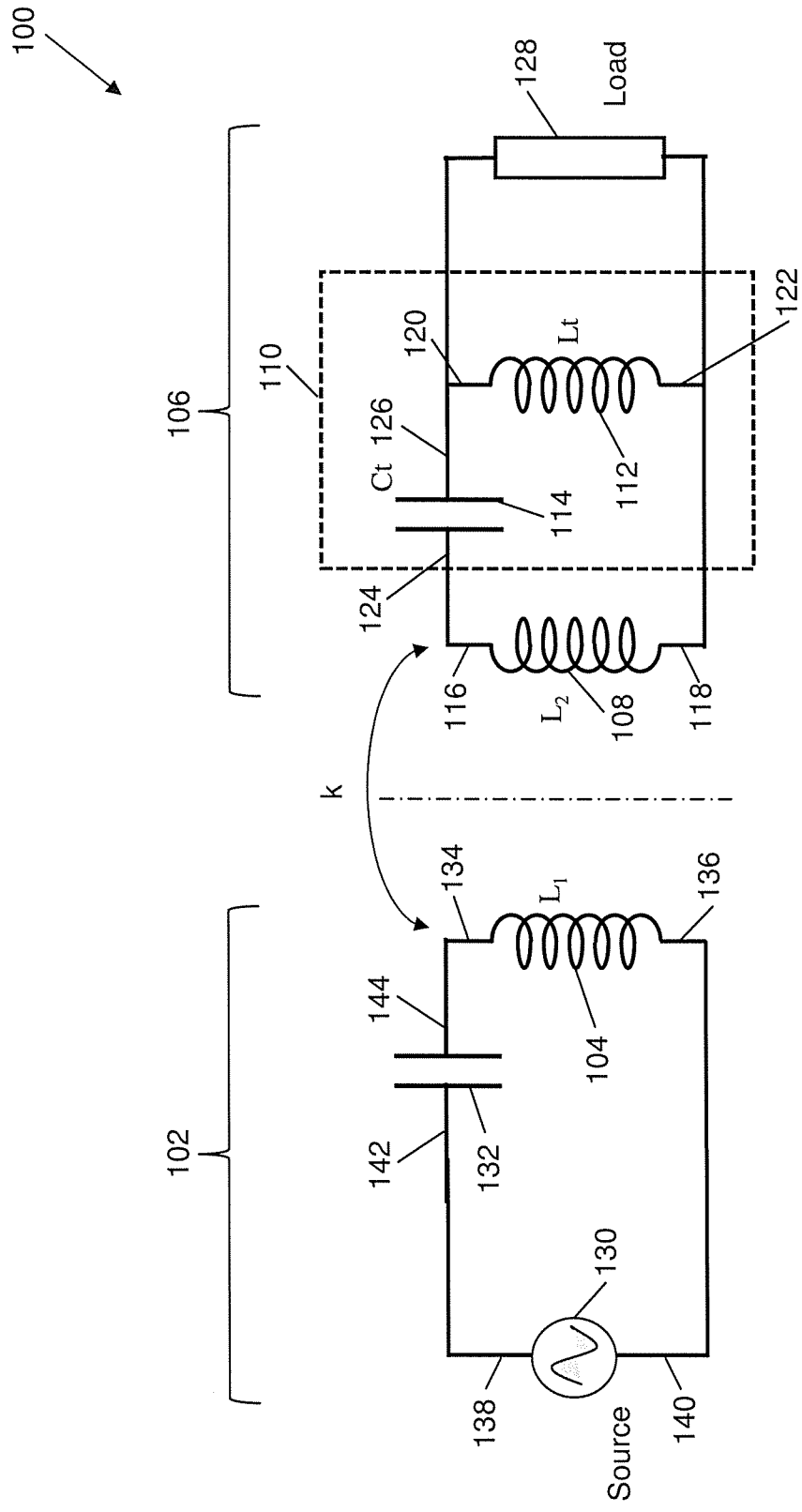


Figure 1

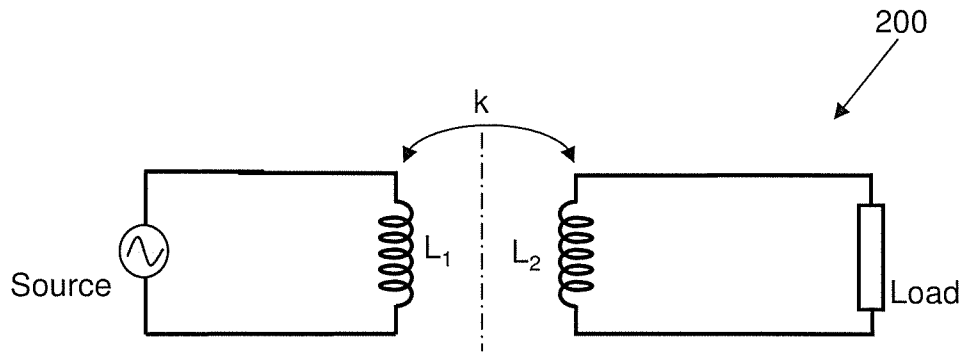


Figure 2a

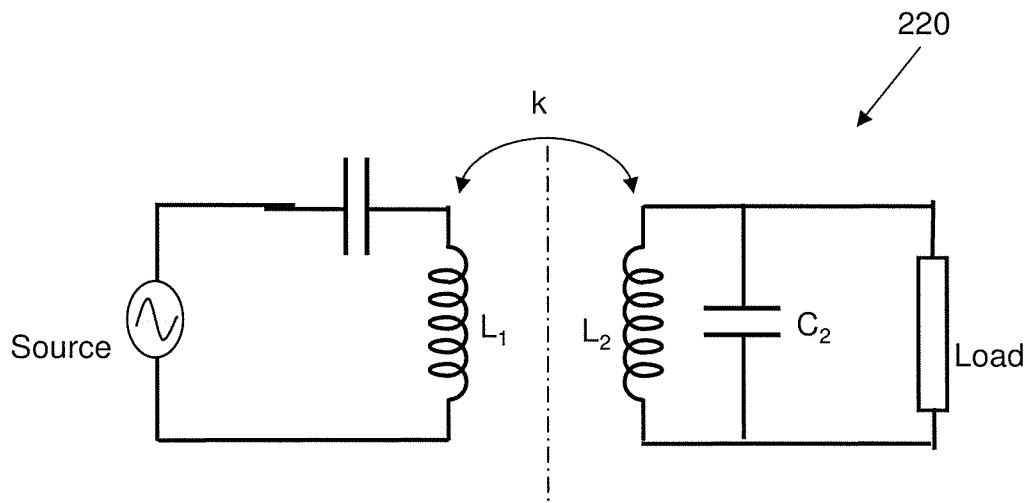


Figure 2b

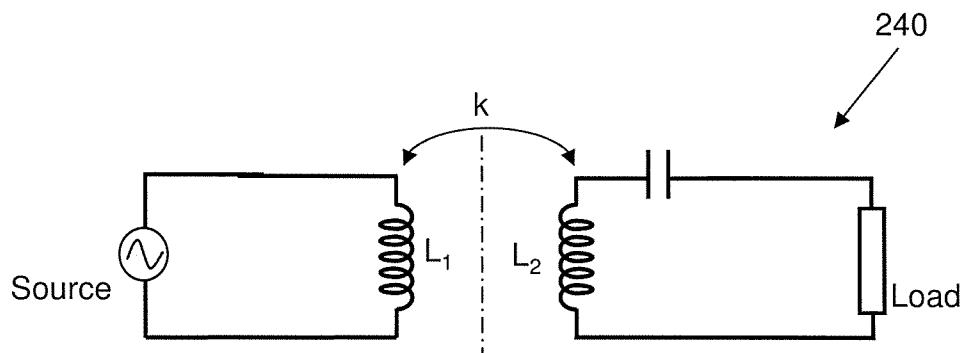


Figure 2c

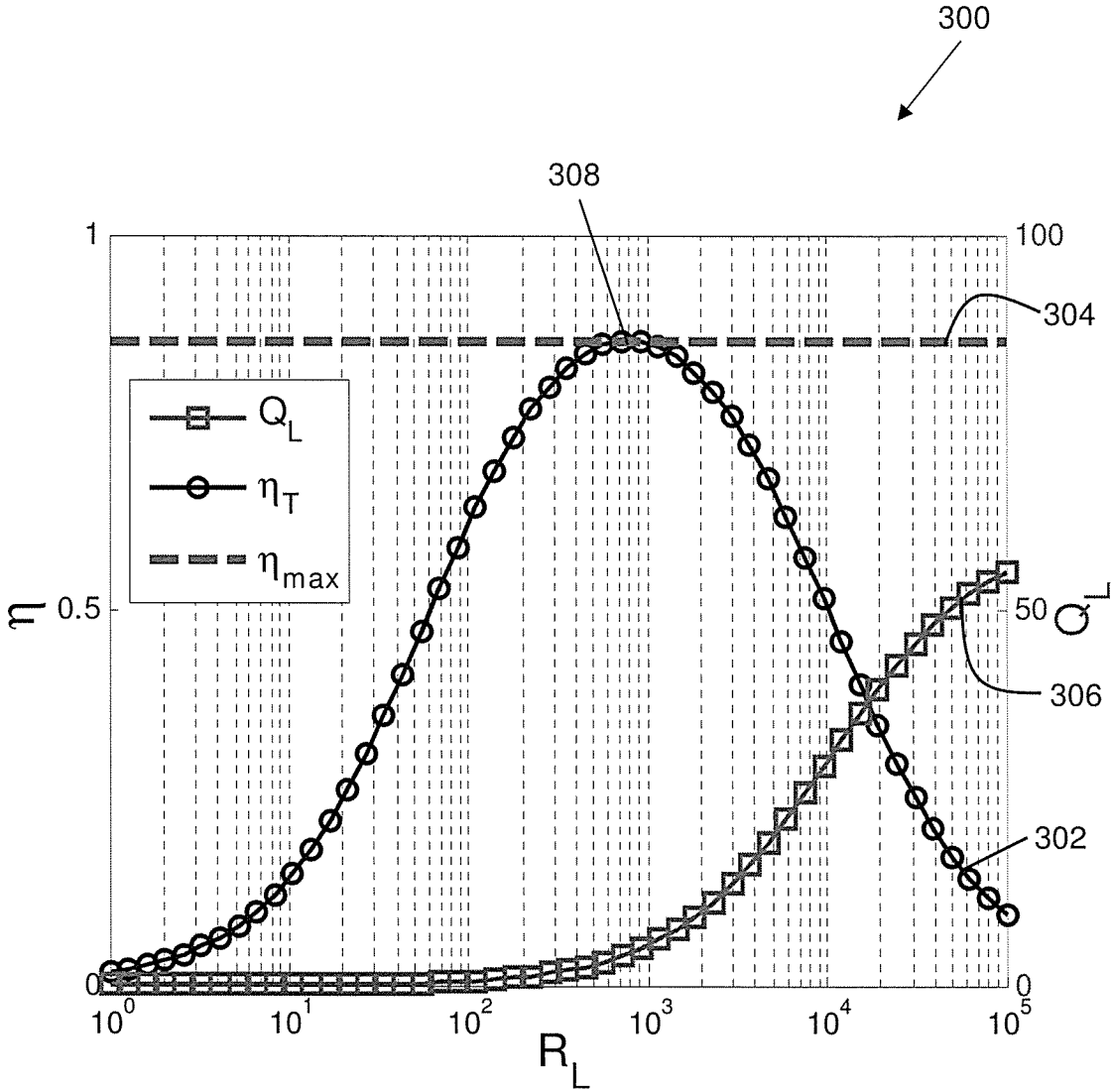
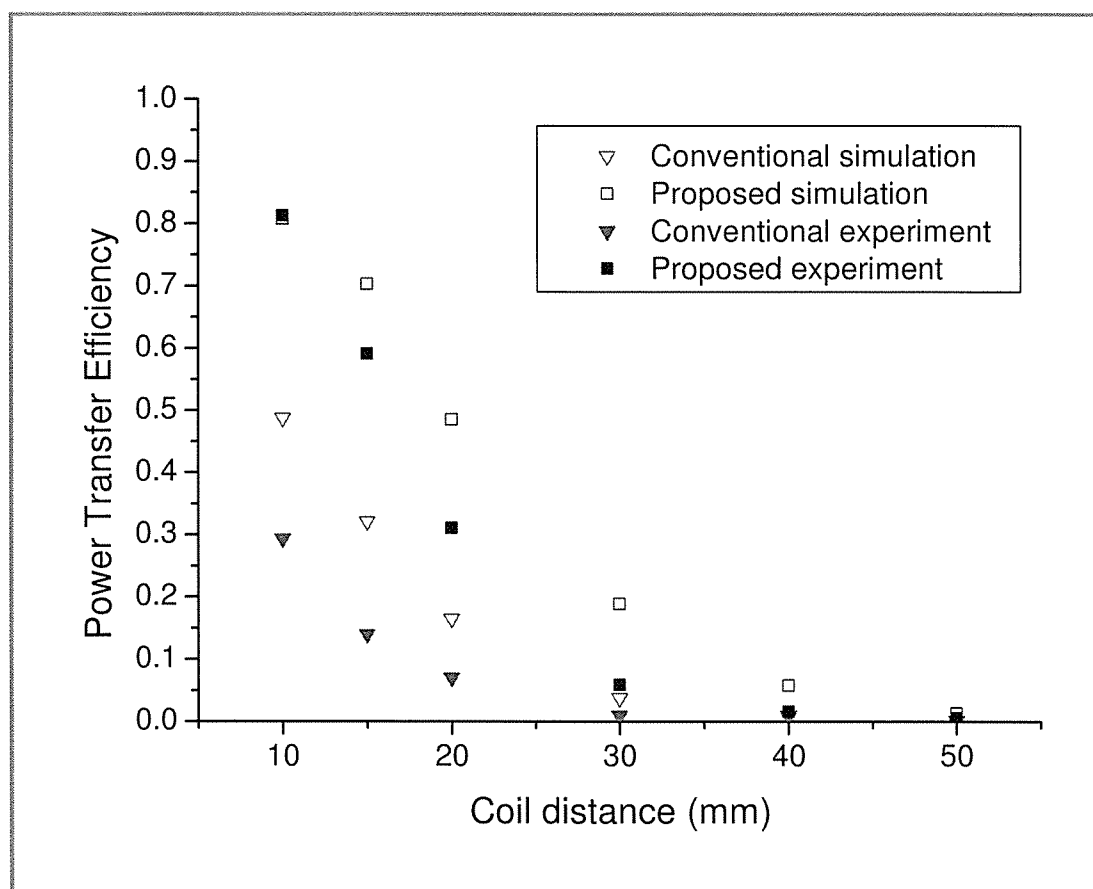


Figure 3

400

**Figure 4**

500

Measurement @ 13.56MHz with 50Ω load		Voltage Transfer Gain S21 (dB)	Power Transfer Efficiency
10mm spacing	Air	-1.252dB	75.0%
	Tissue	-2.348dB	58.2%
20mm spacing	Air	-6.885dB	20.5%
	Tissue	-7.370dB	18.3%
50mm spacing	Air	-23.578dB	0.44%
	Tissue	-27.921dB	0.16%

Figure 5

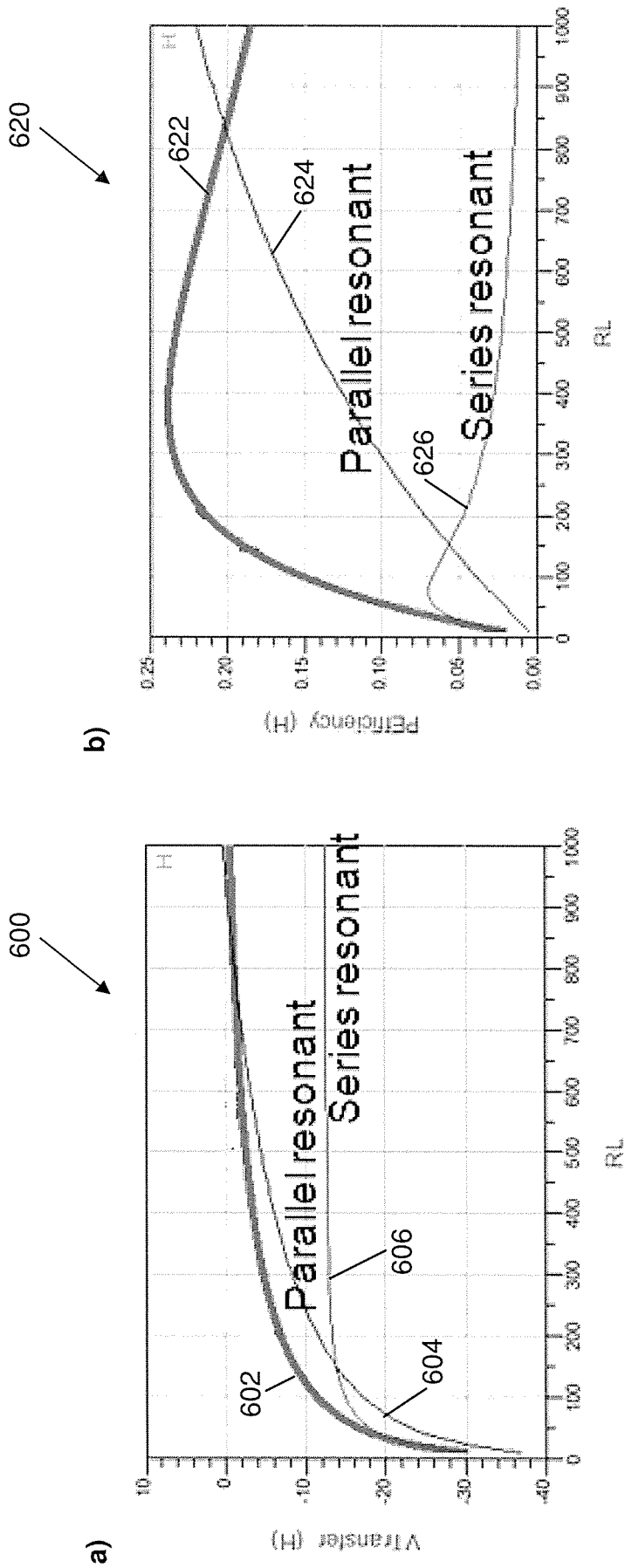


Figure 6

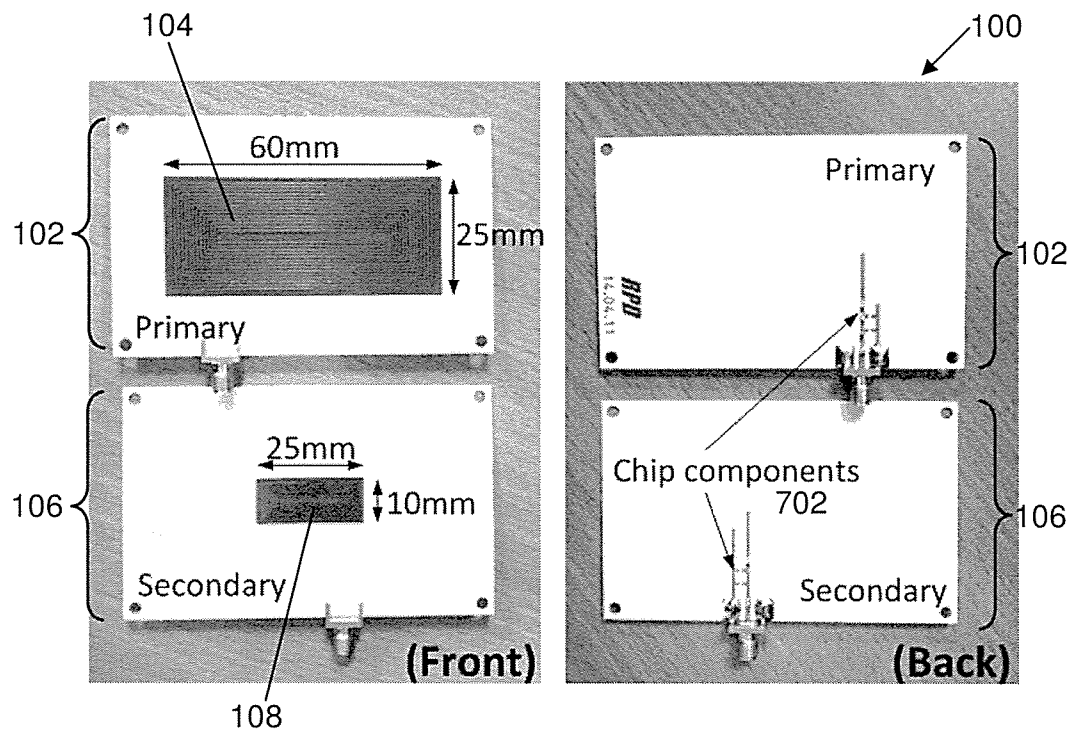


Figure 7a

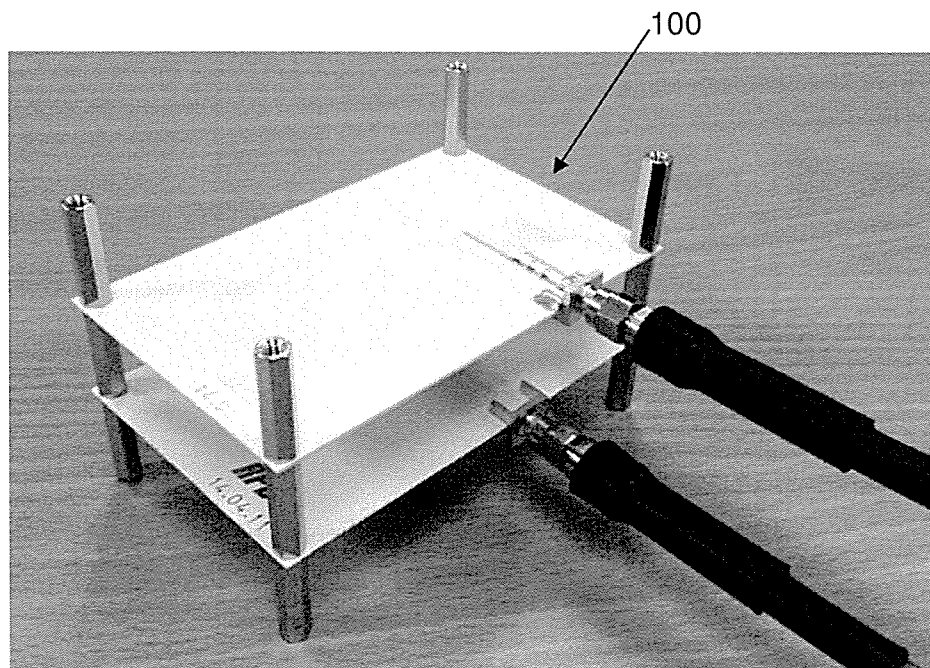


Figure 7b

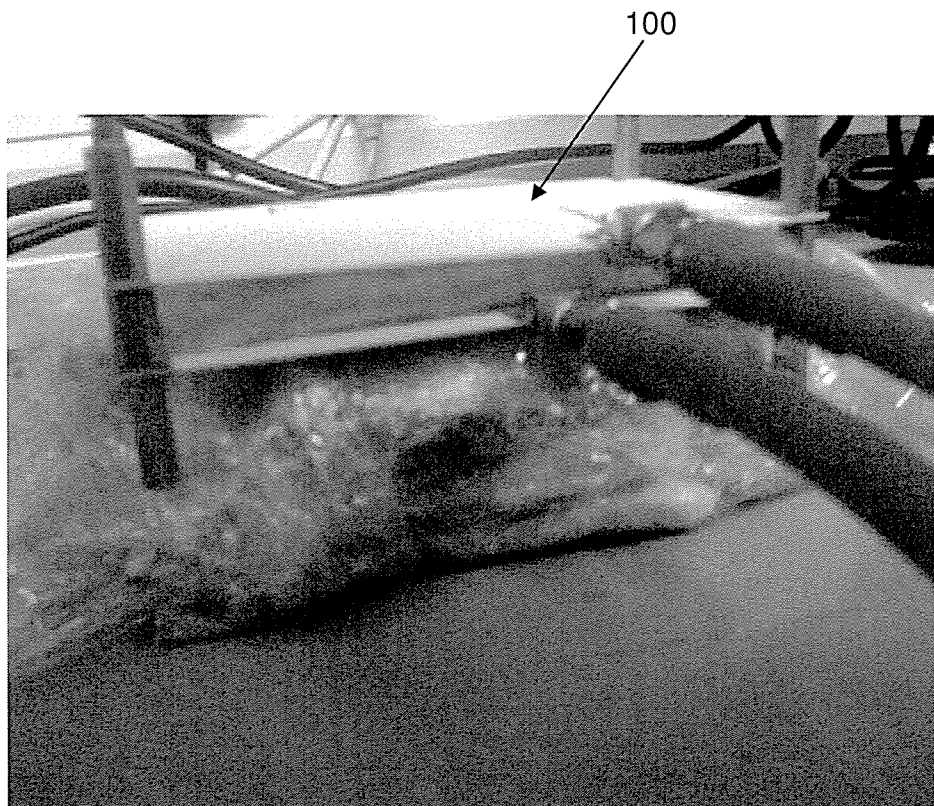


Figure 7c

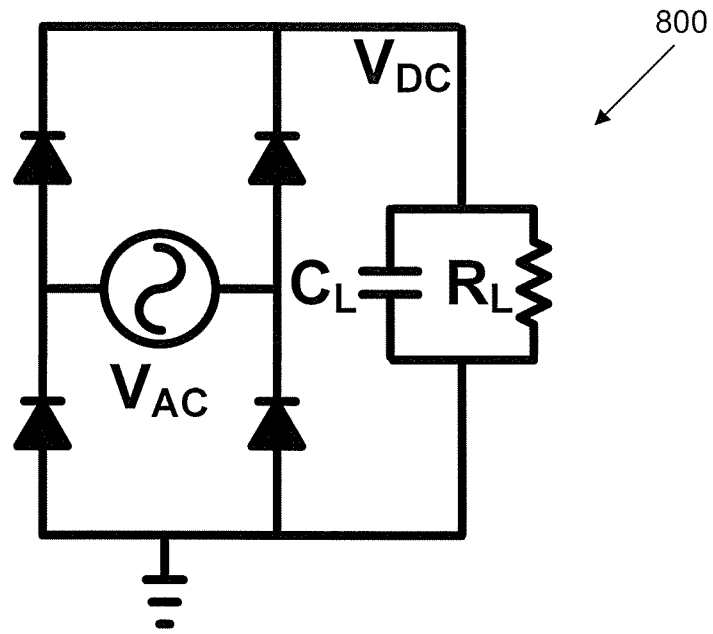


Figure 8a

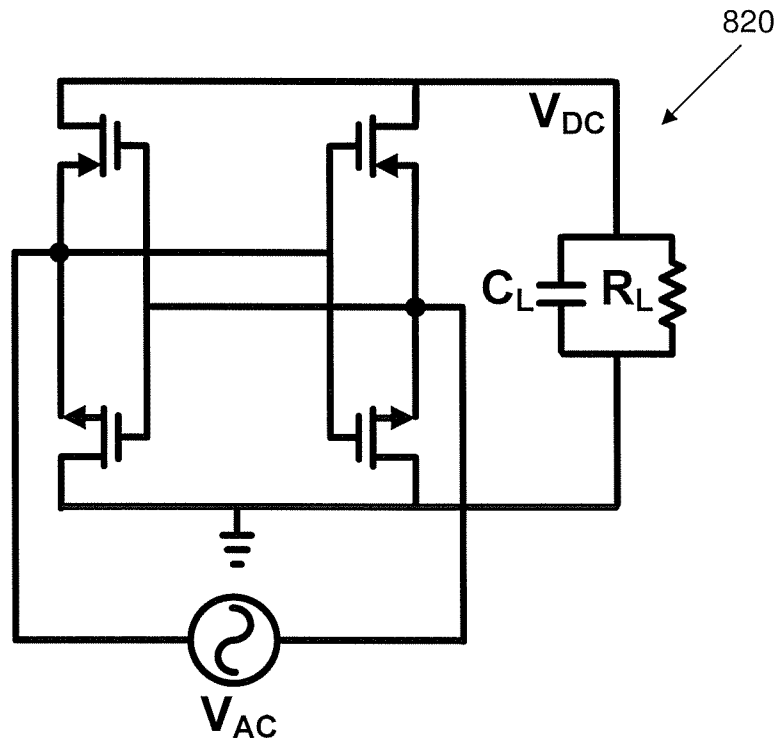


Figure 8b

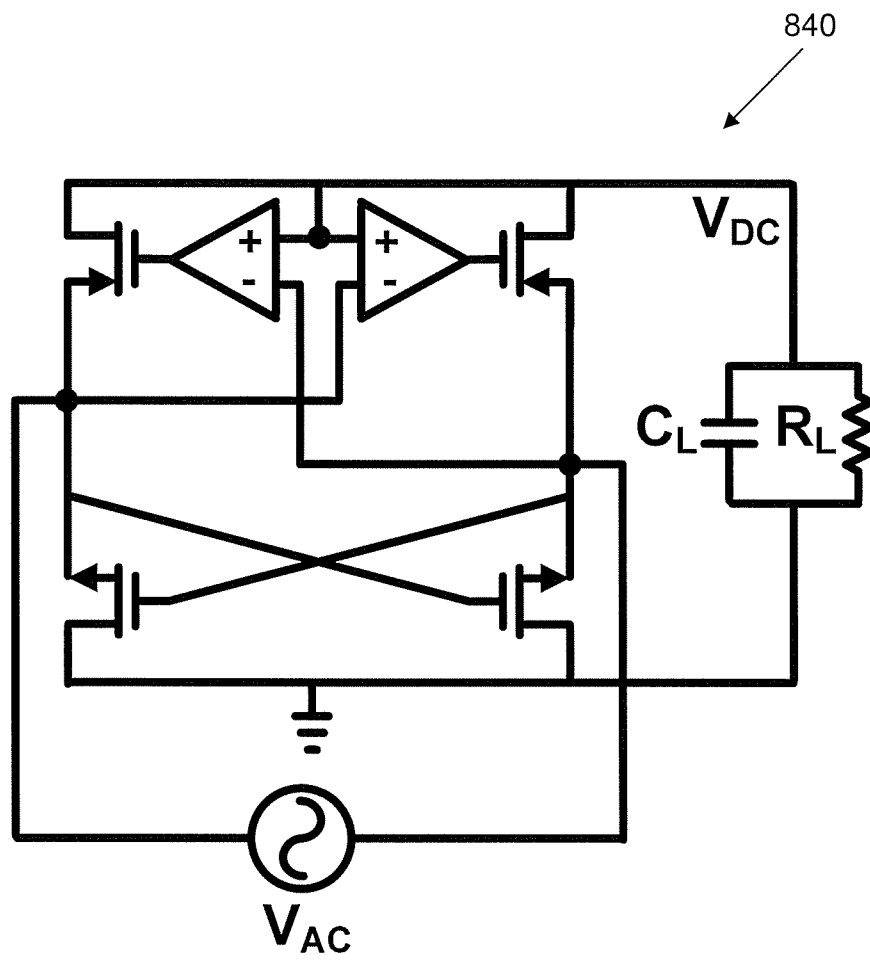


Figure 8c

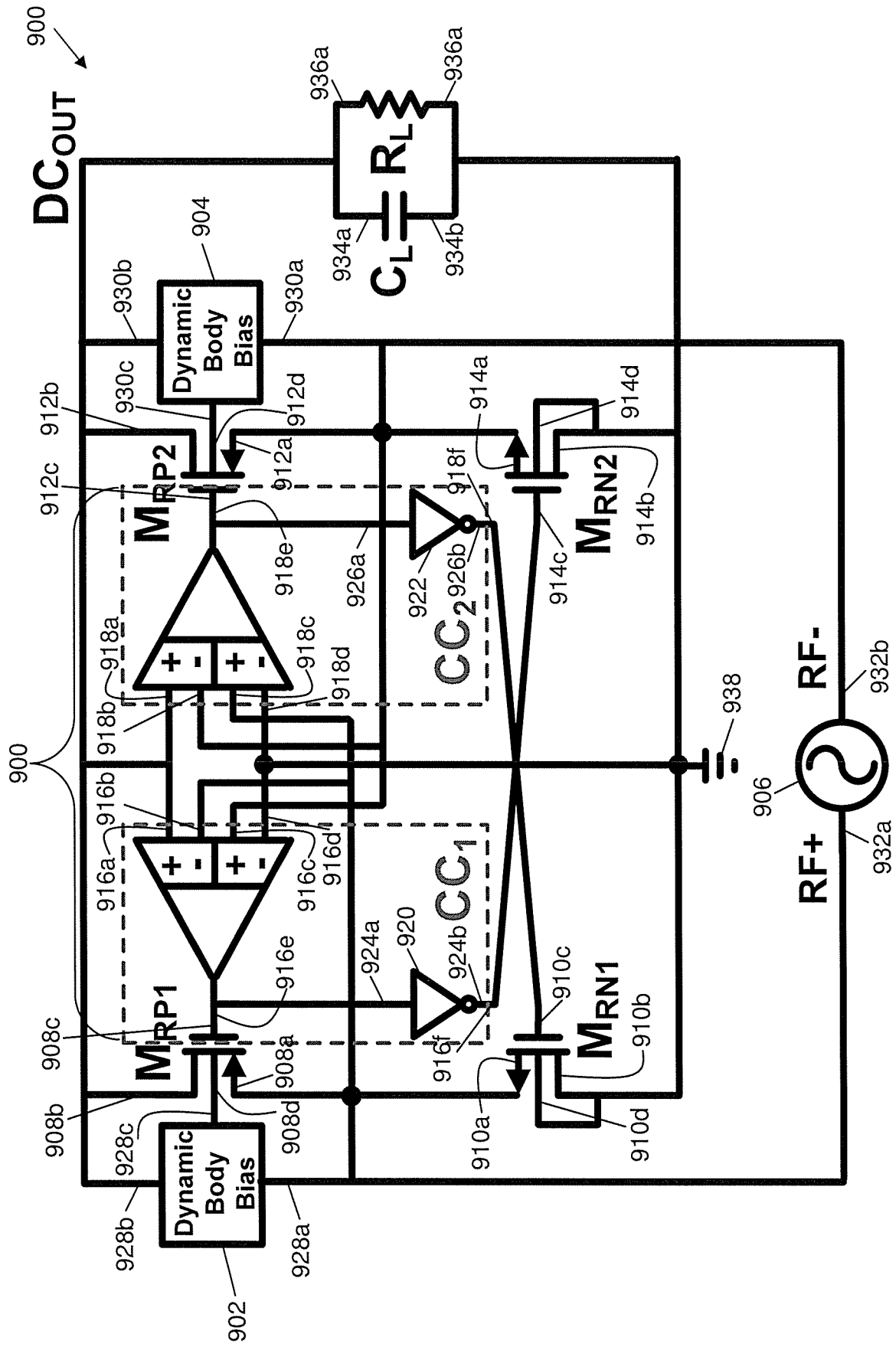


Figure 9

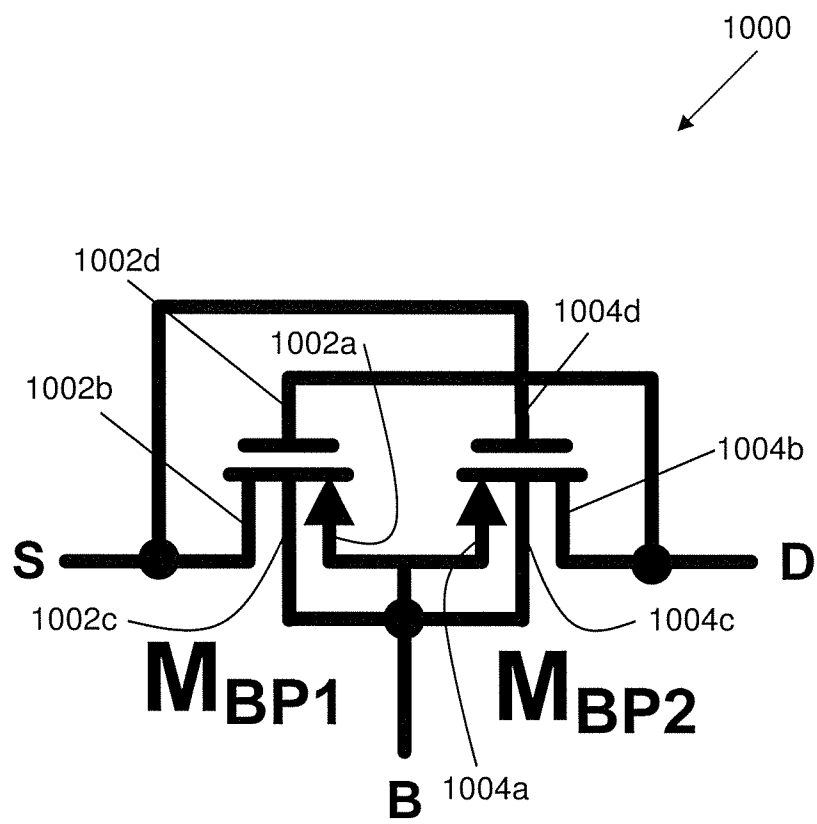


Figure 10

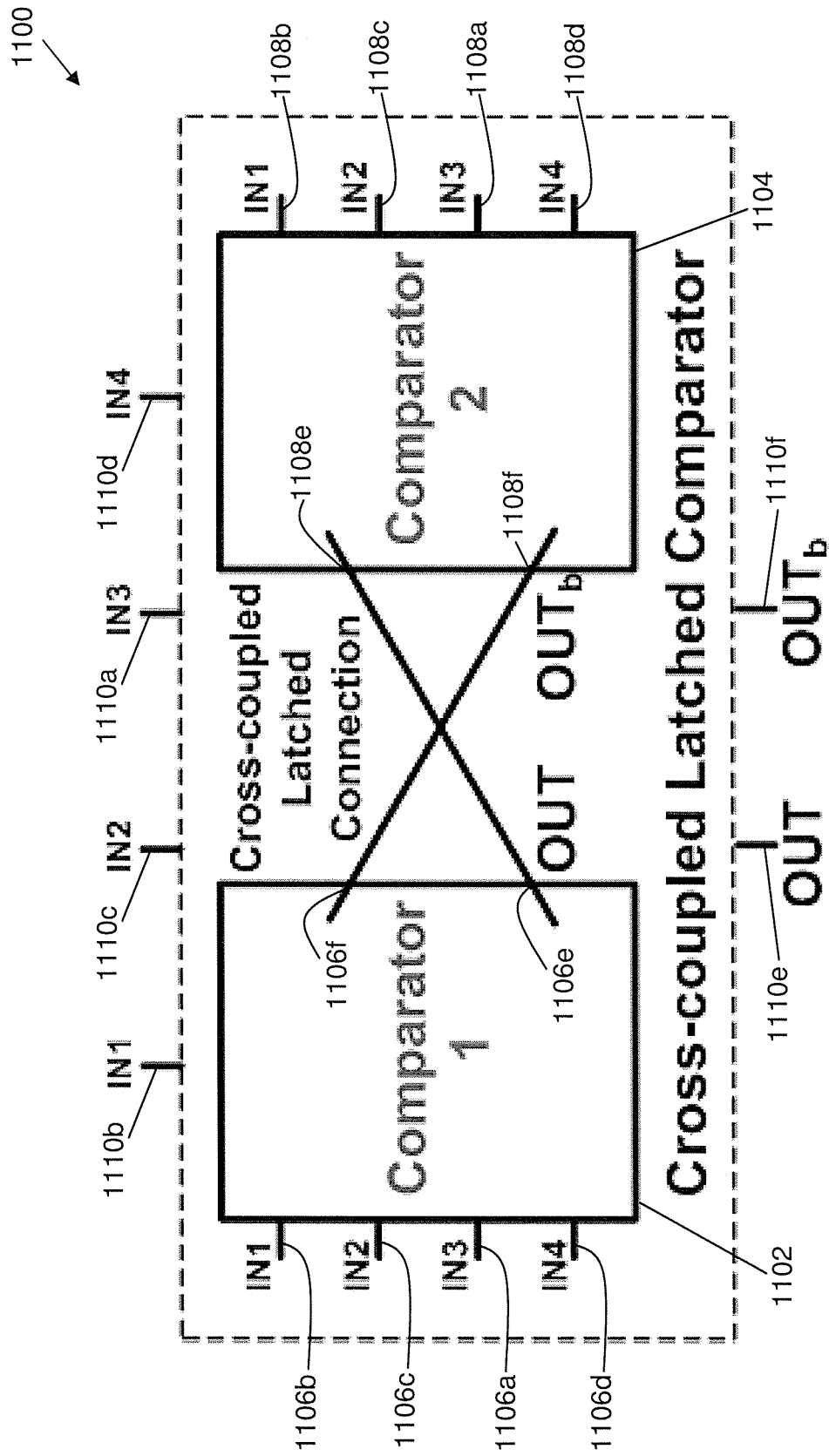


Figure 11

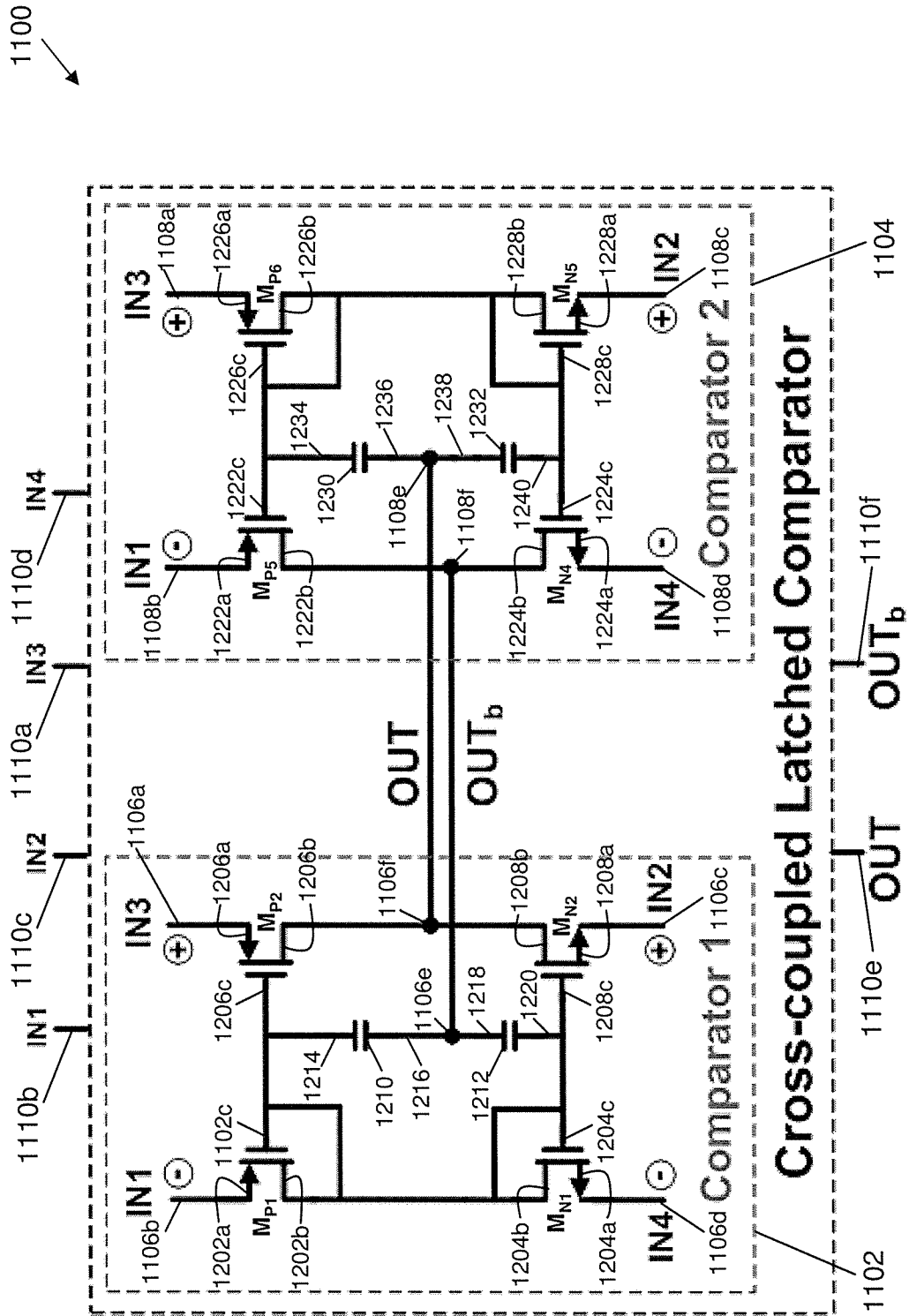


Figure 12

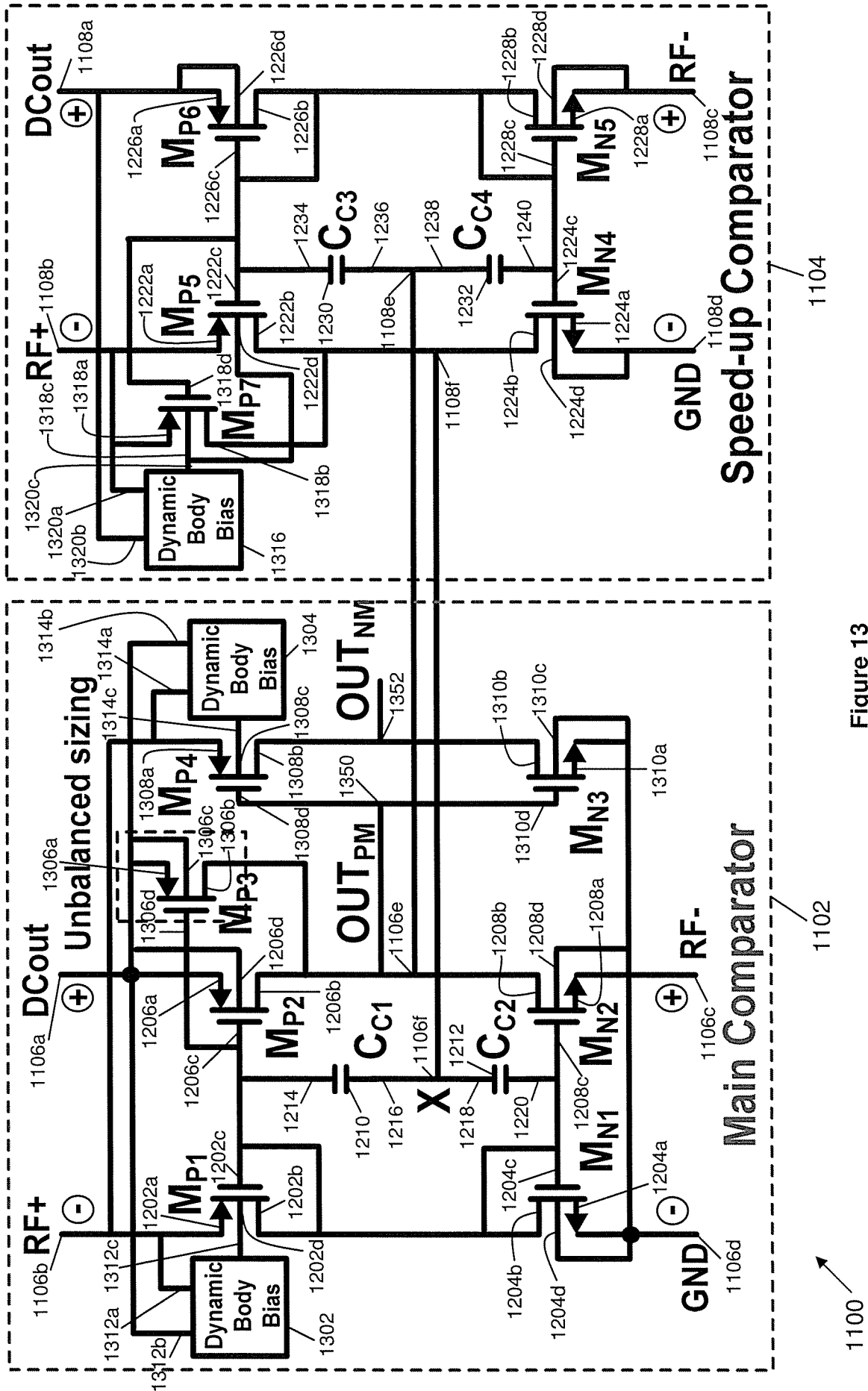


Figure 13

1400
↙

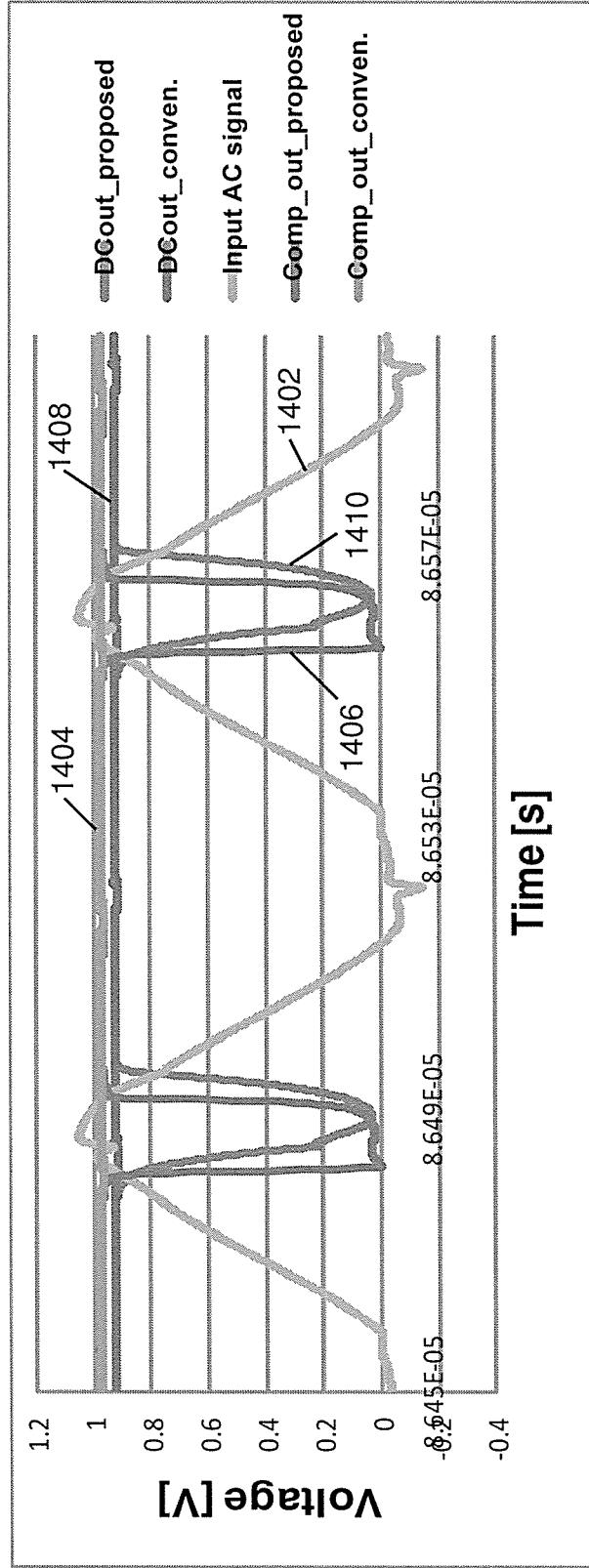


Figure 14a

1450
↙

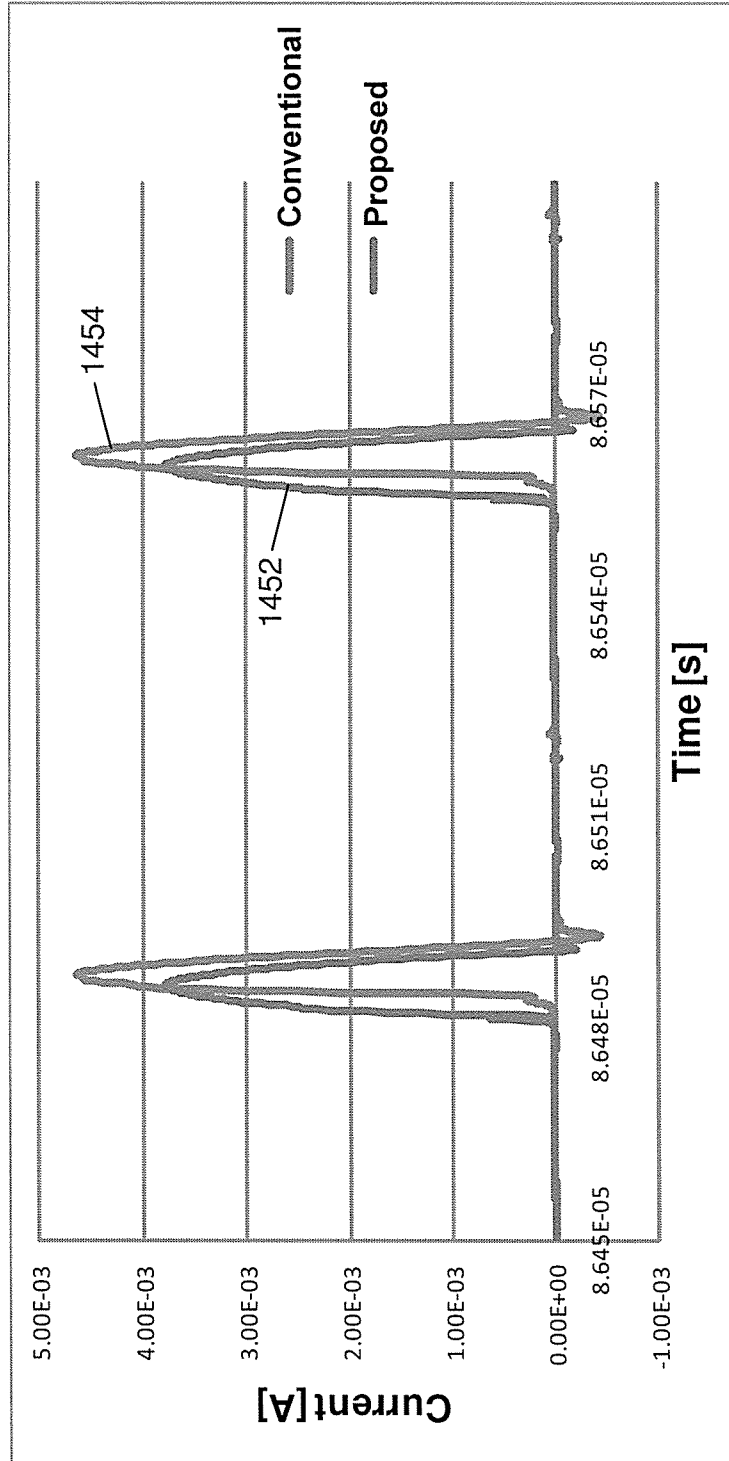


Figure 14b

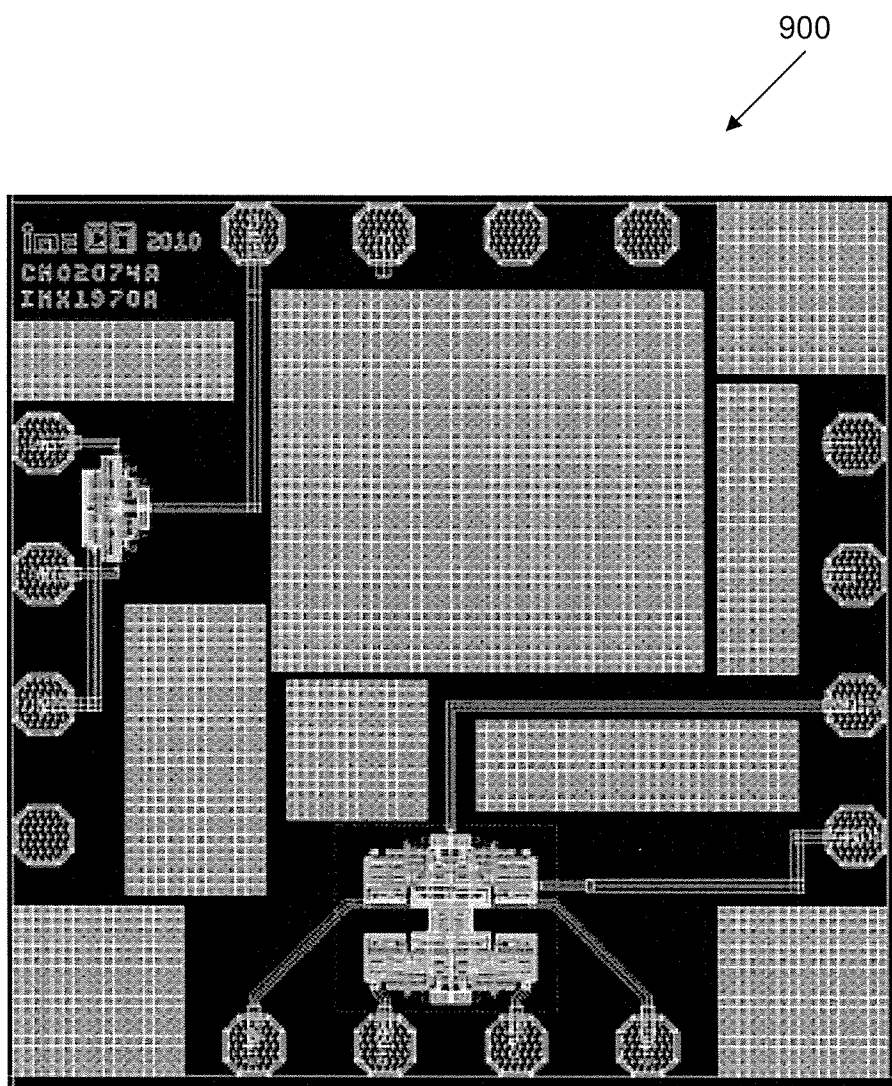


Figure 15

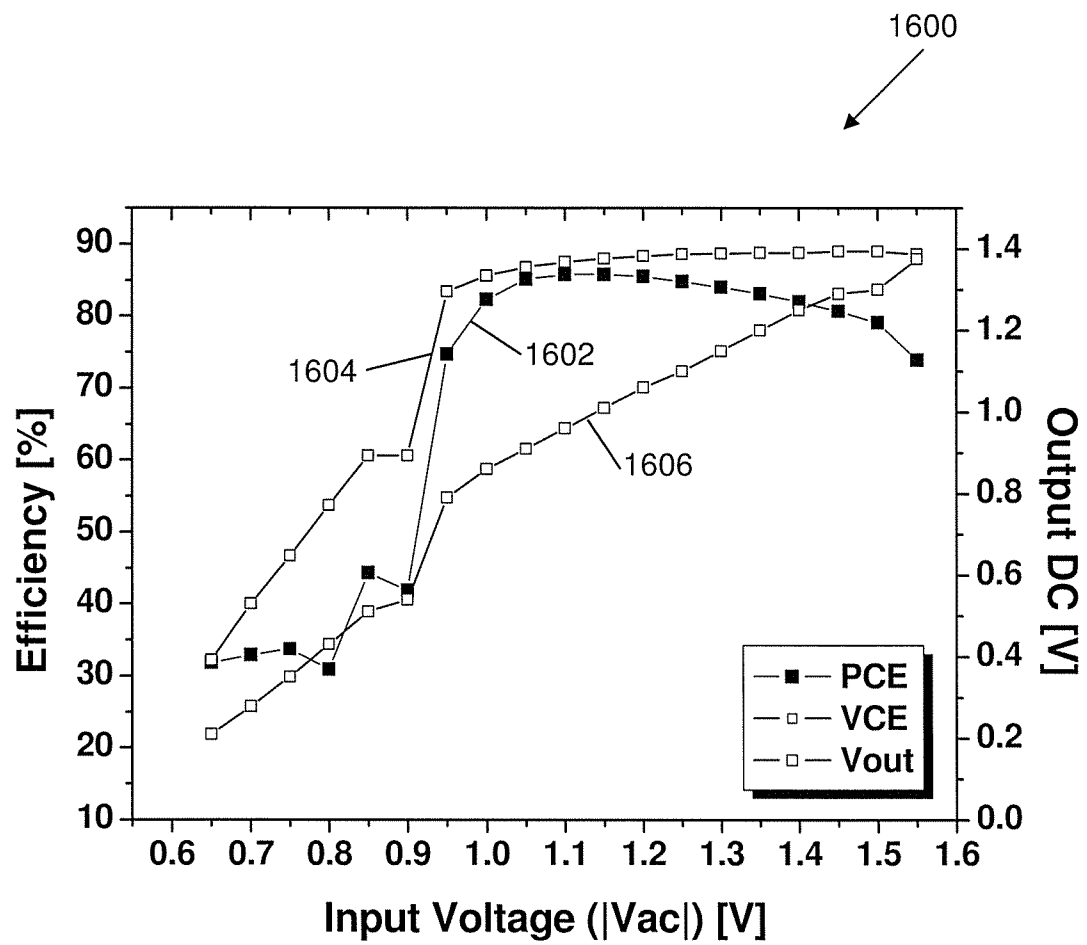


Figure 16

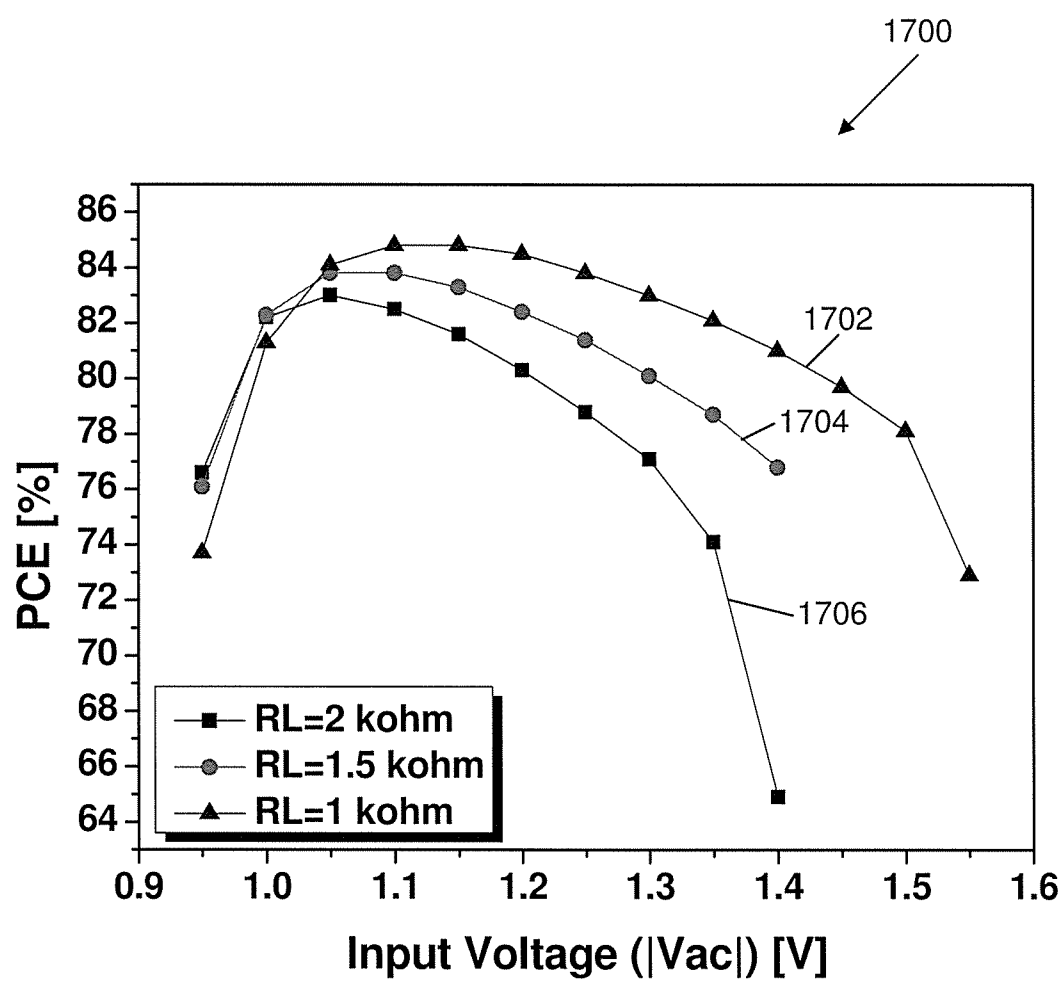


Figure 17

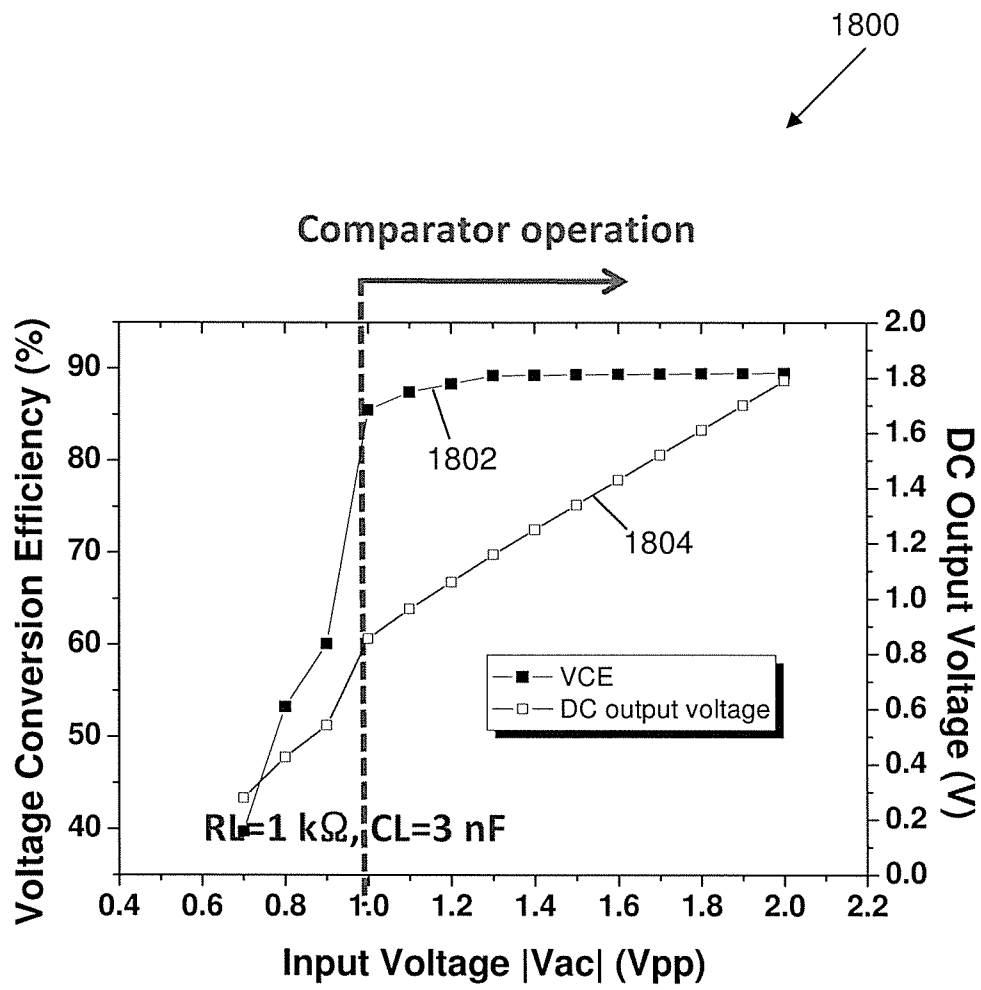


Figure 18a

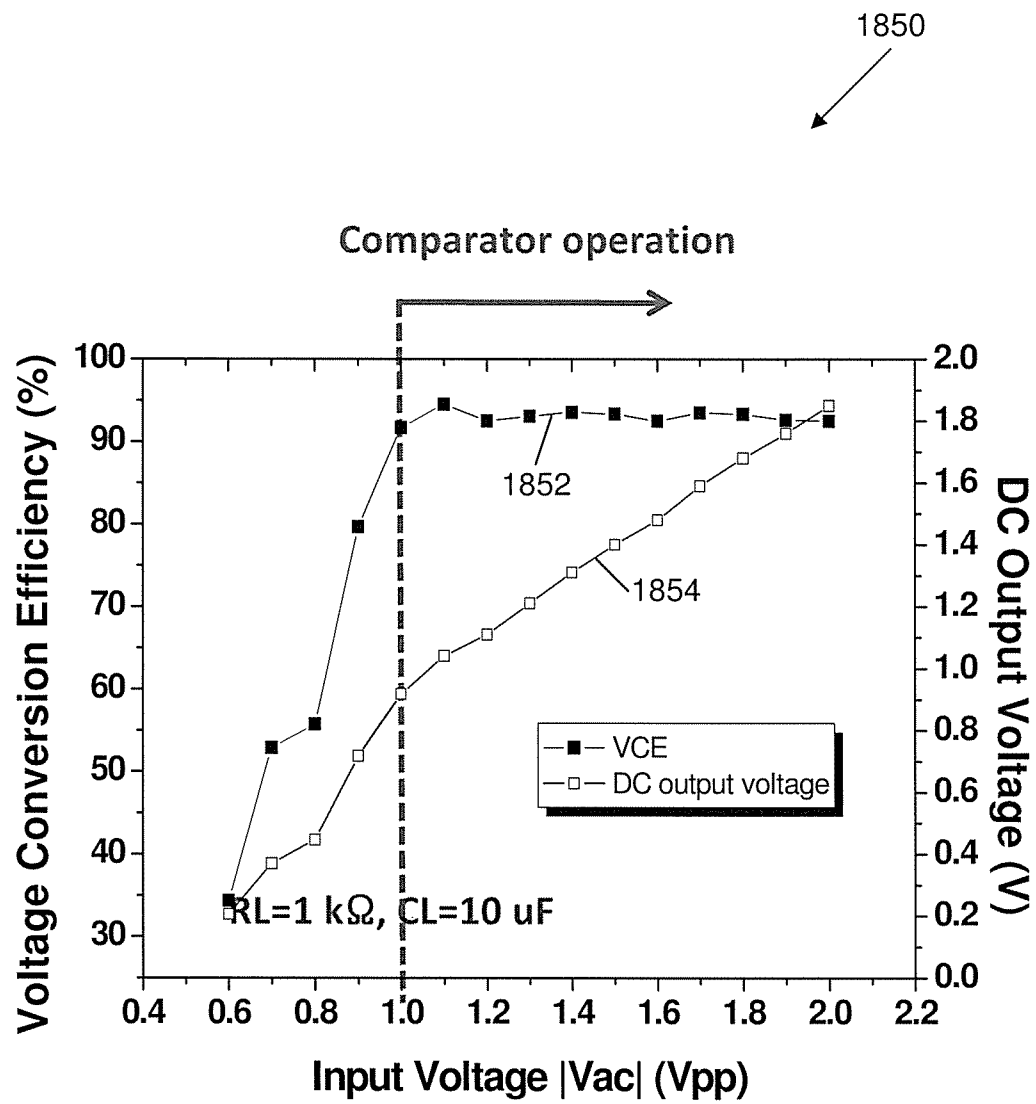


Figure 18b

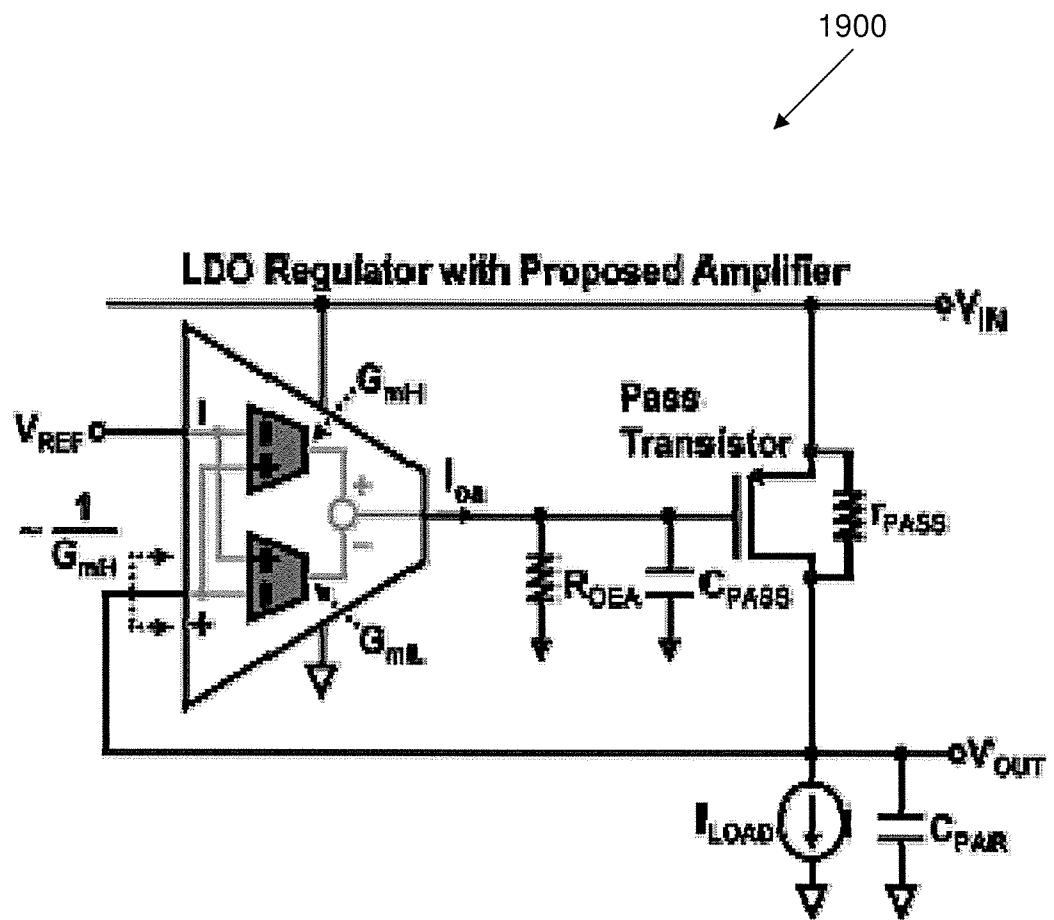


Figure 19

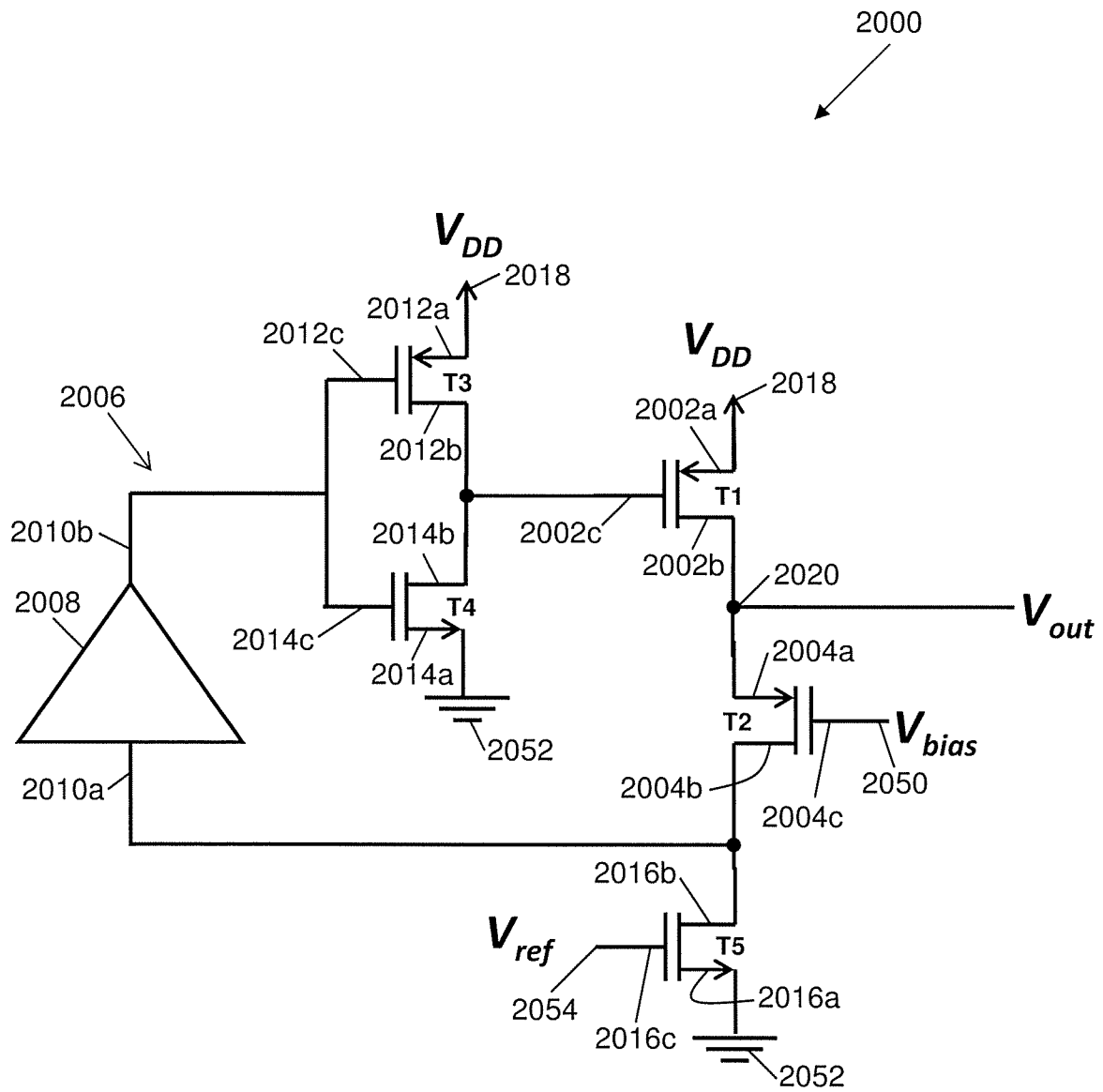


Figure 20

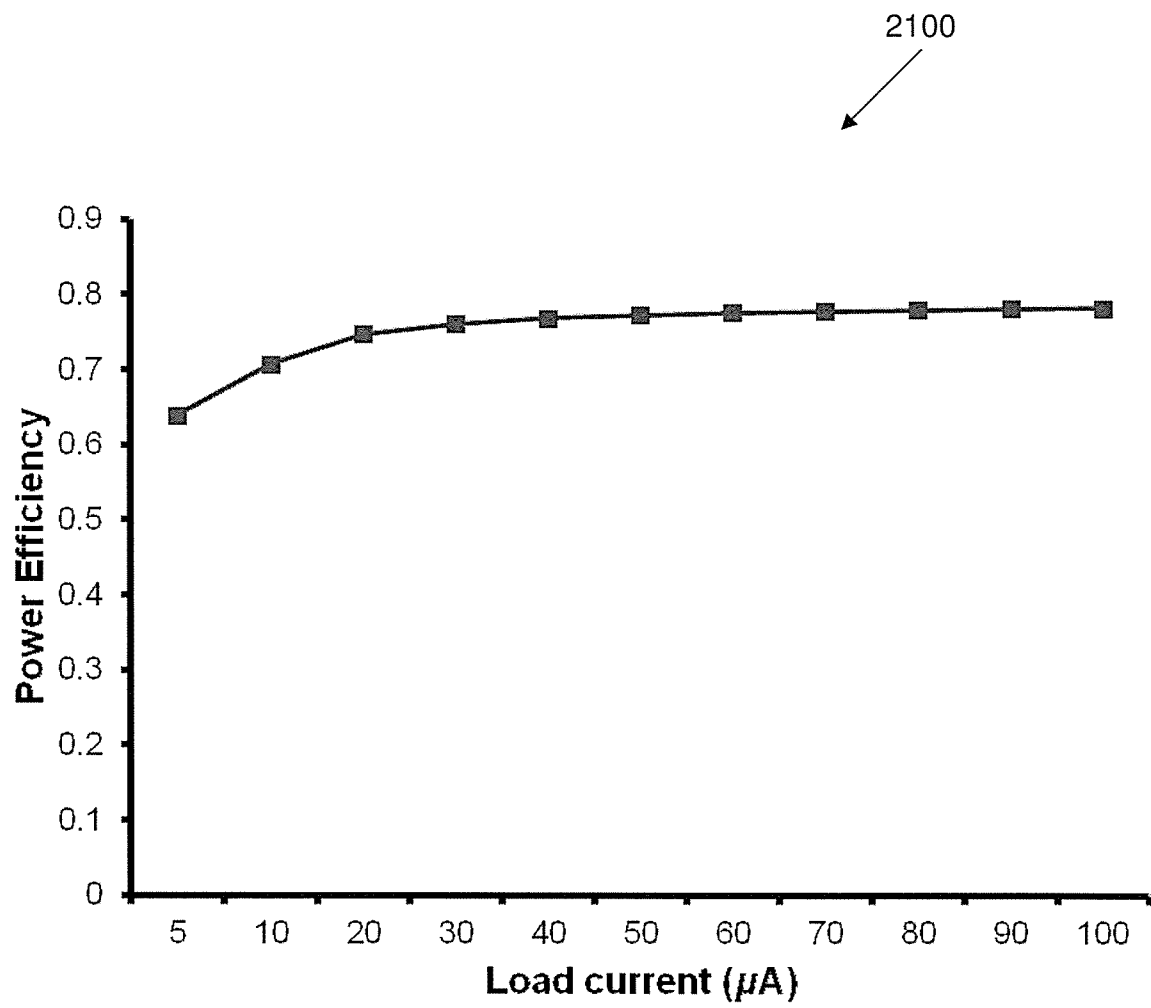


Figure 21

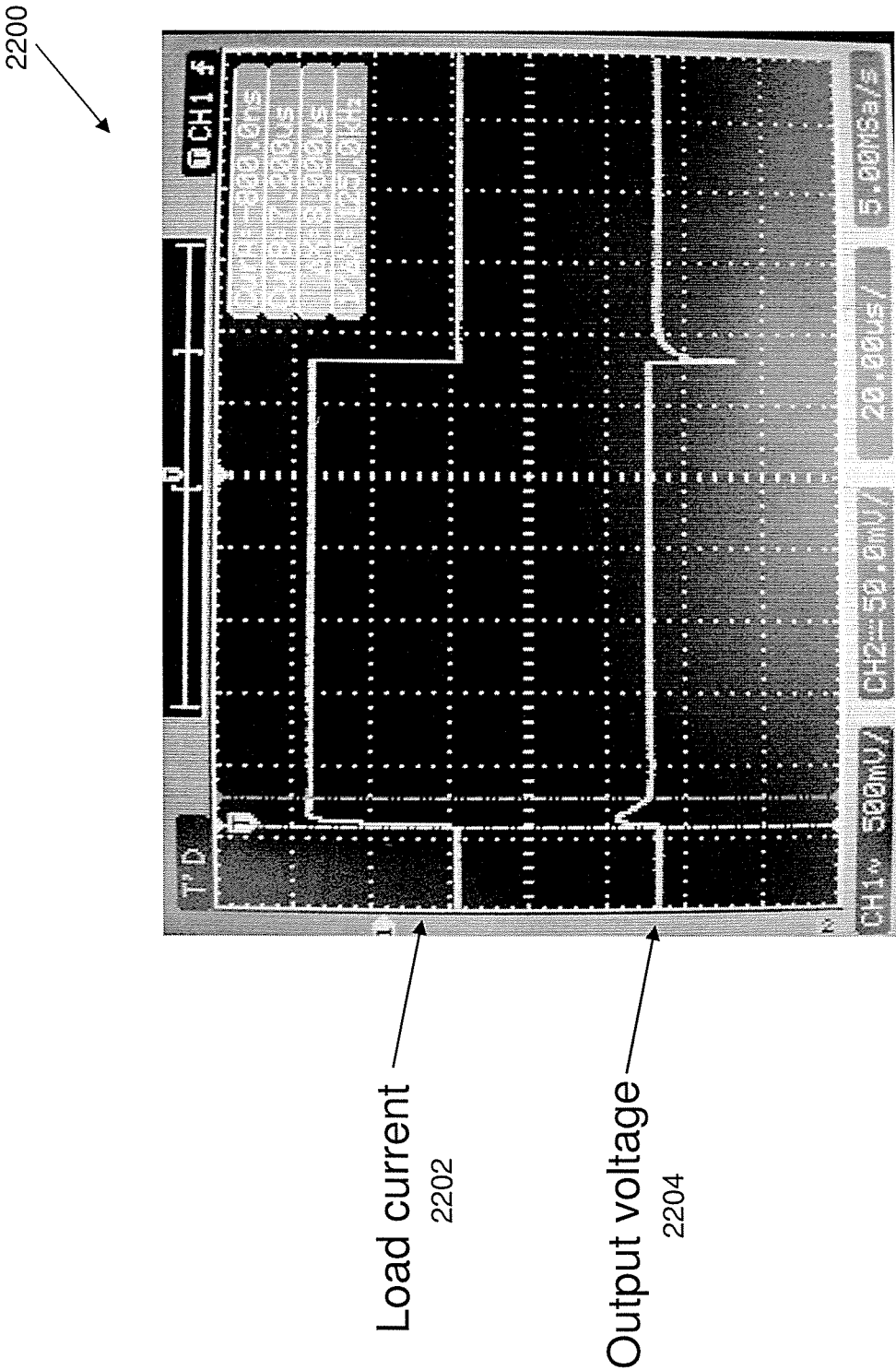


Figure 22

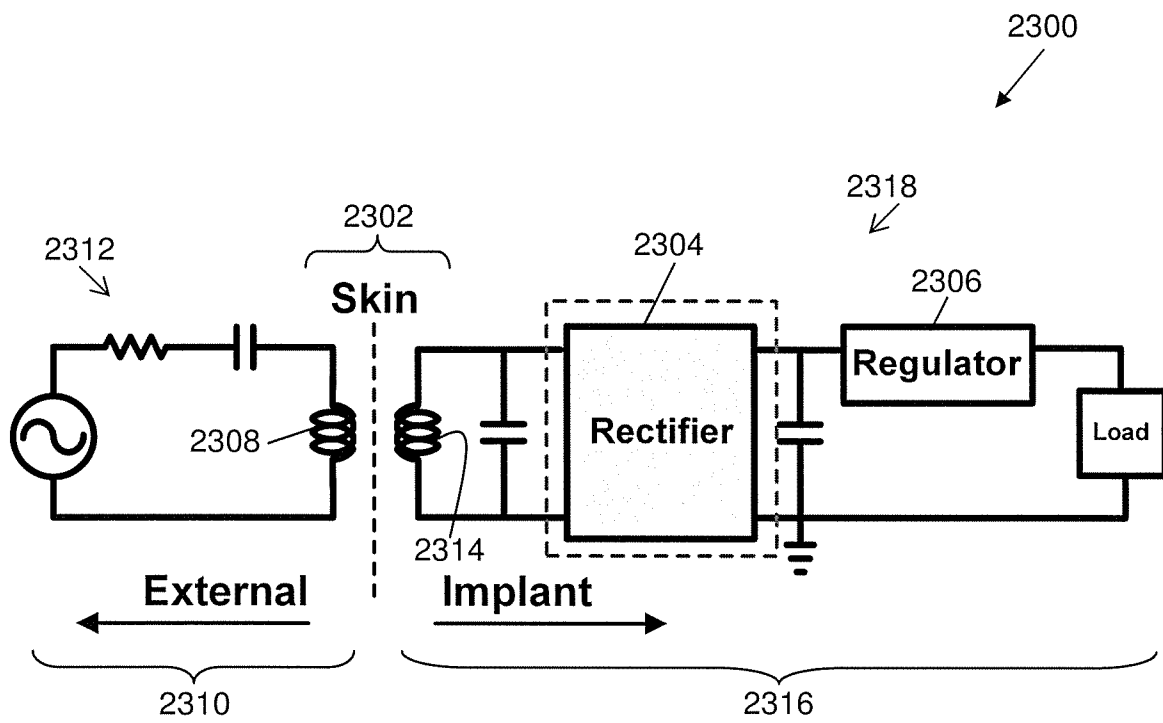


Figure 23

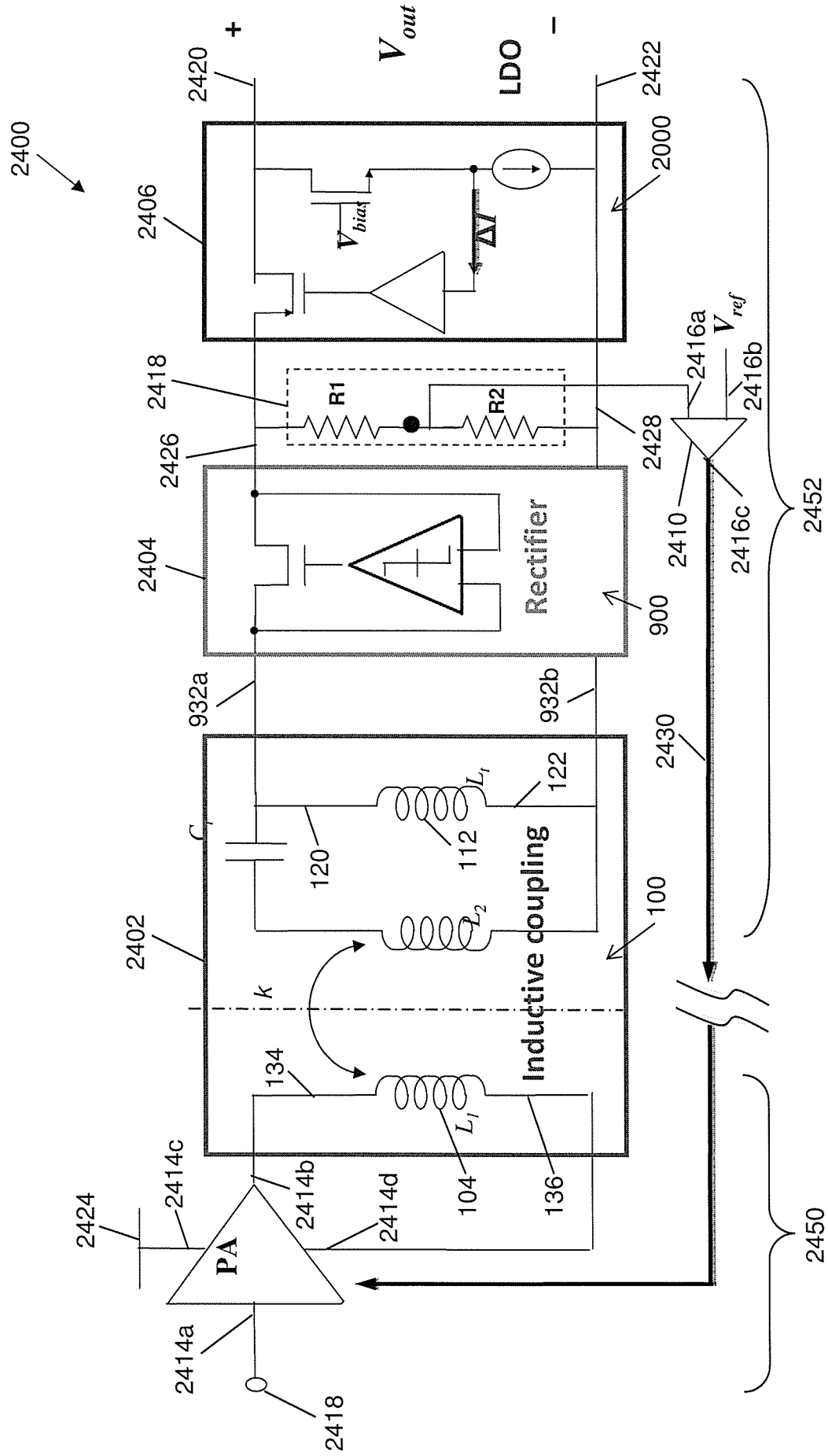


Figure 24