

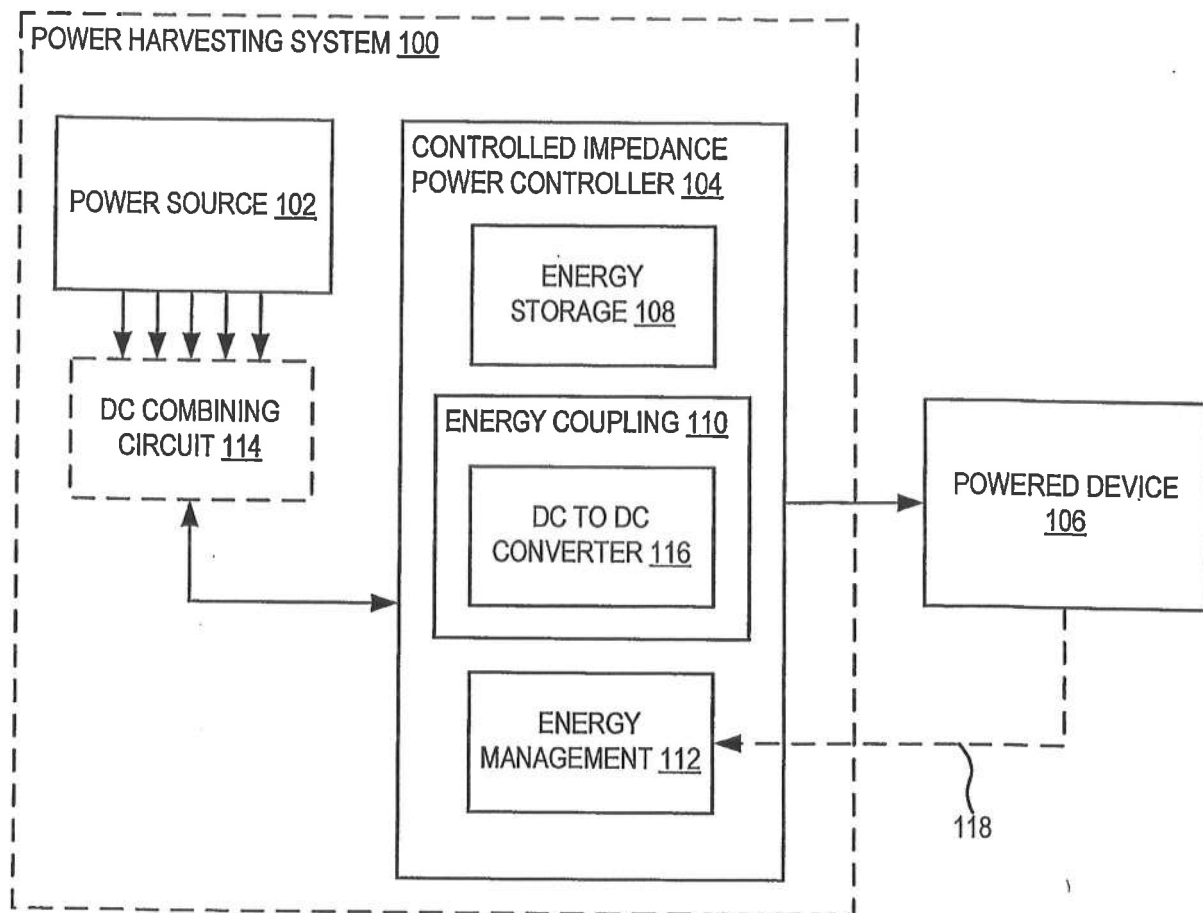


FIG. 1

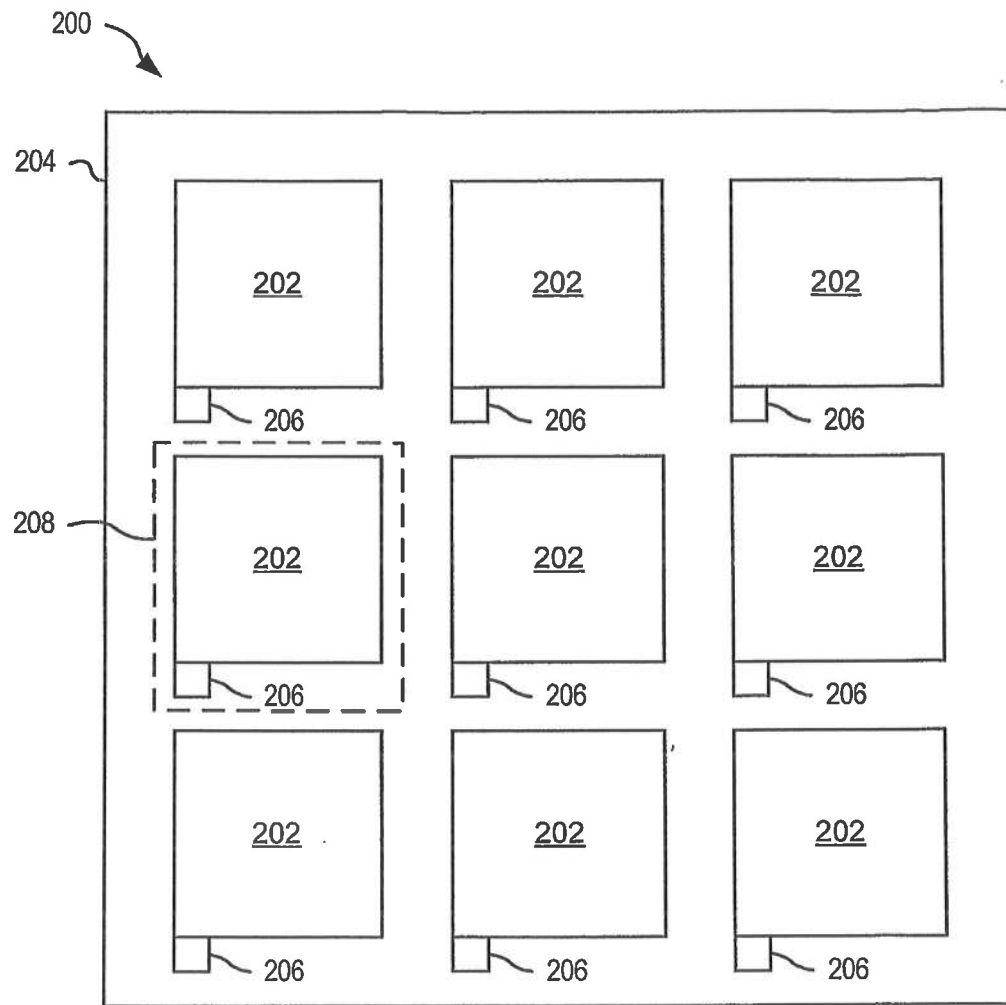
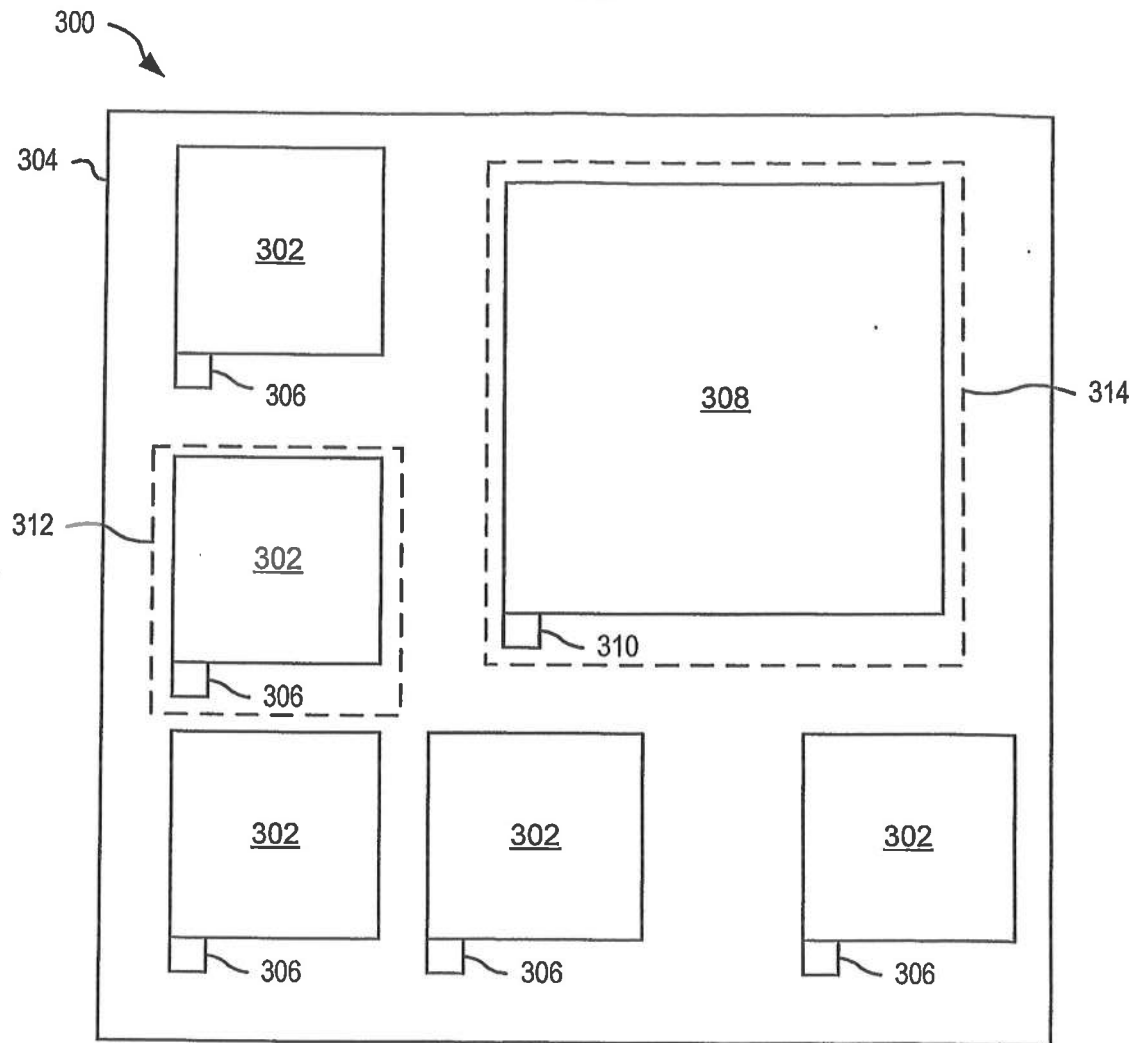


FIG. 2

**FIG. 3**

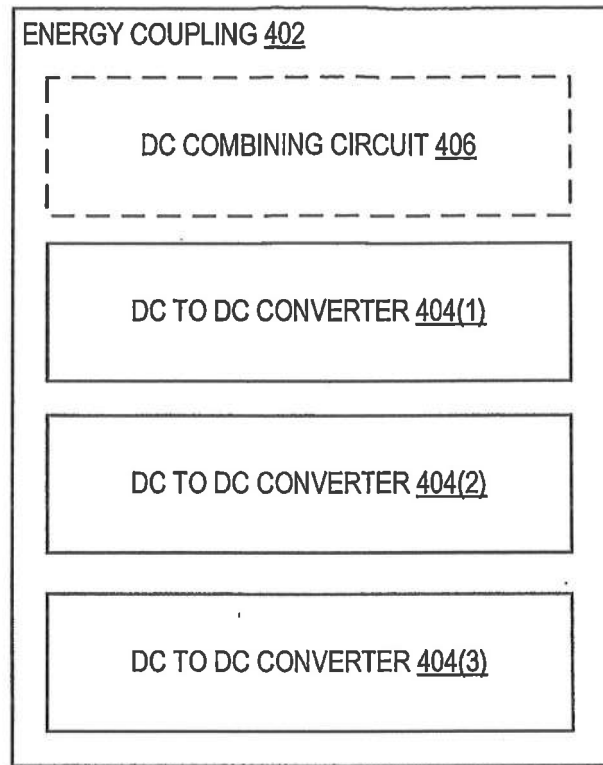


FIG. 4

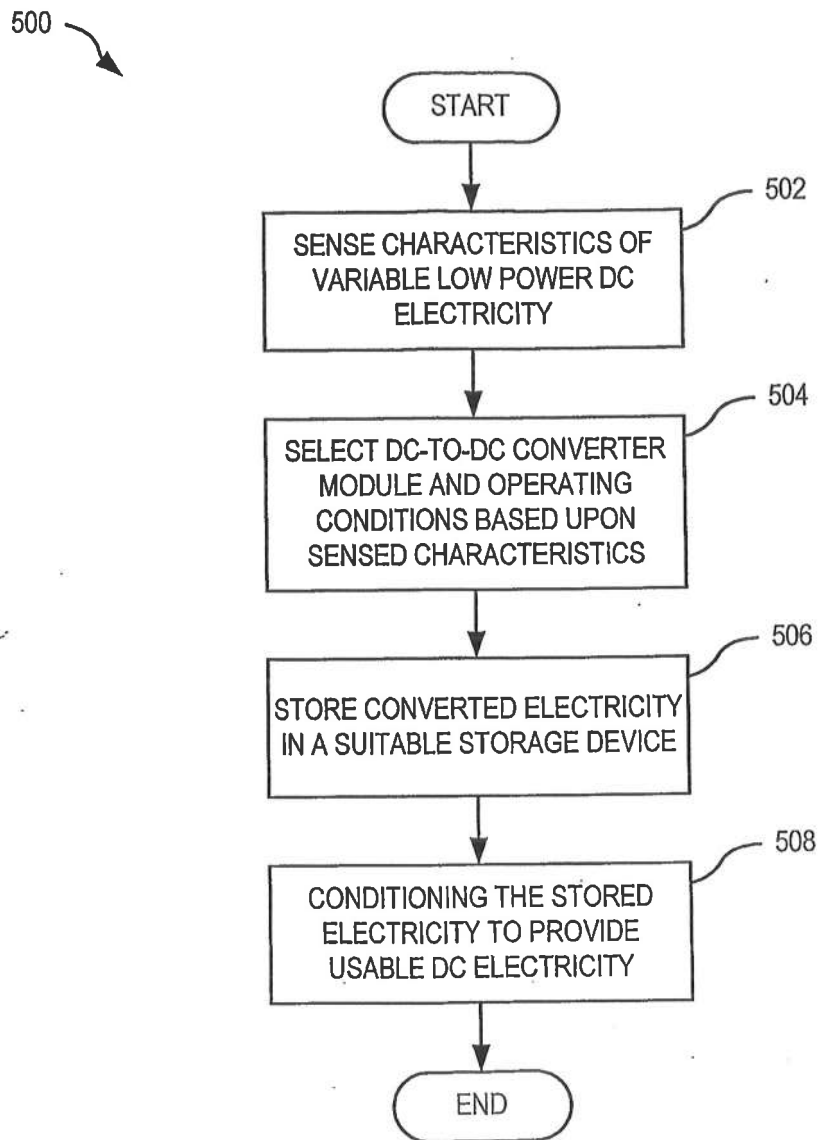


FIG. 5

600

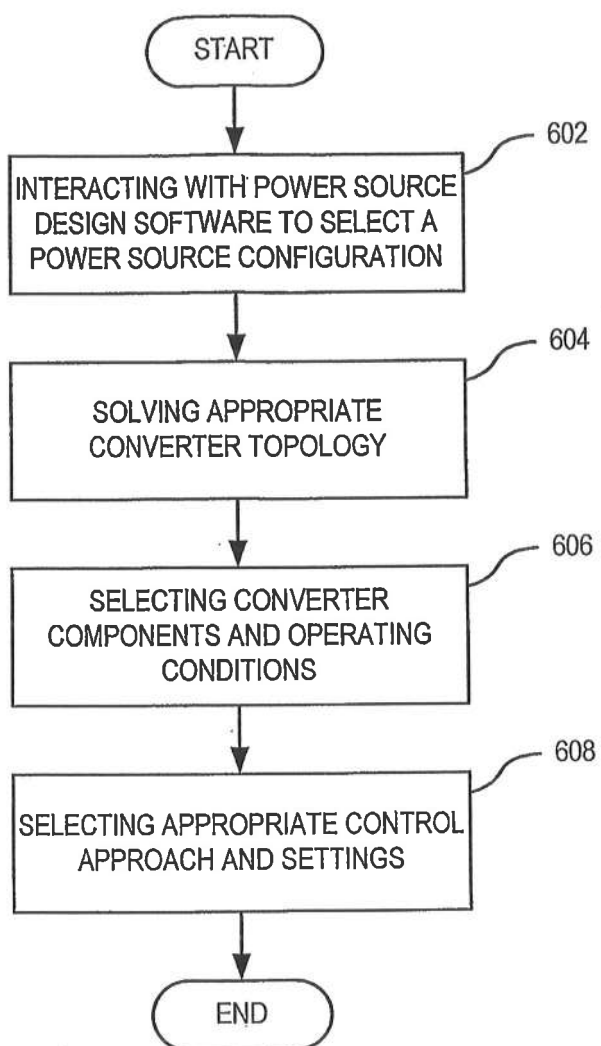


FIG. 6

700

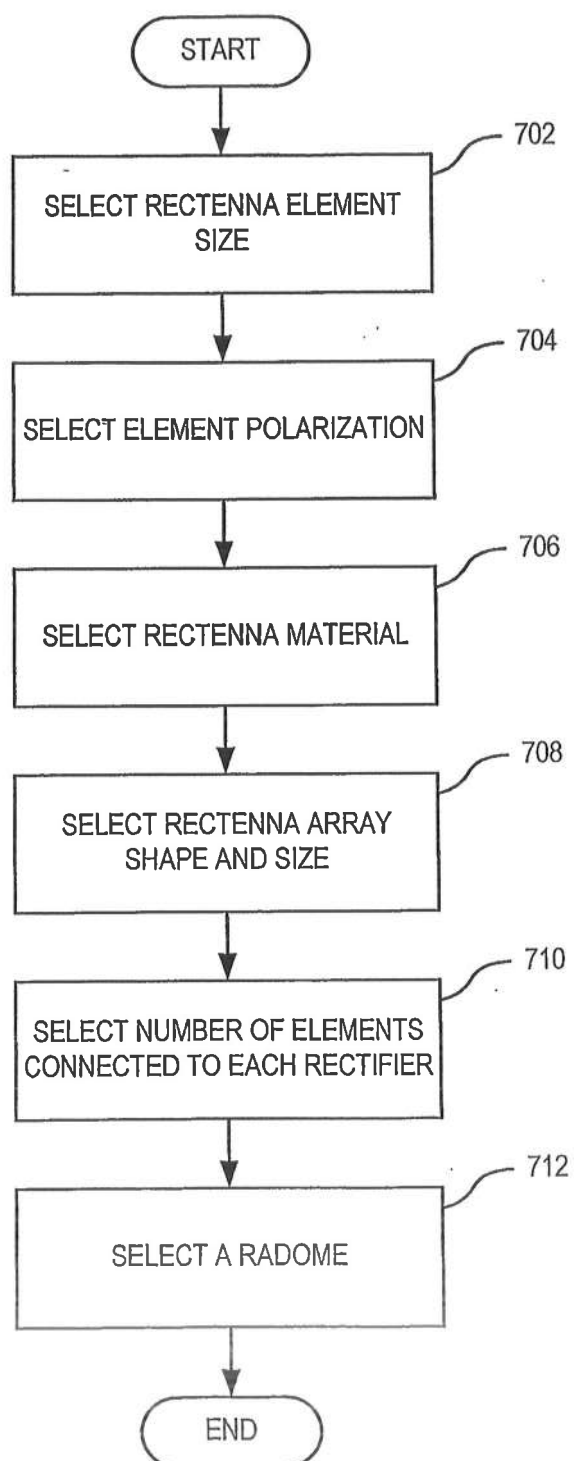


FIG. 7

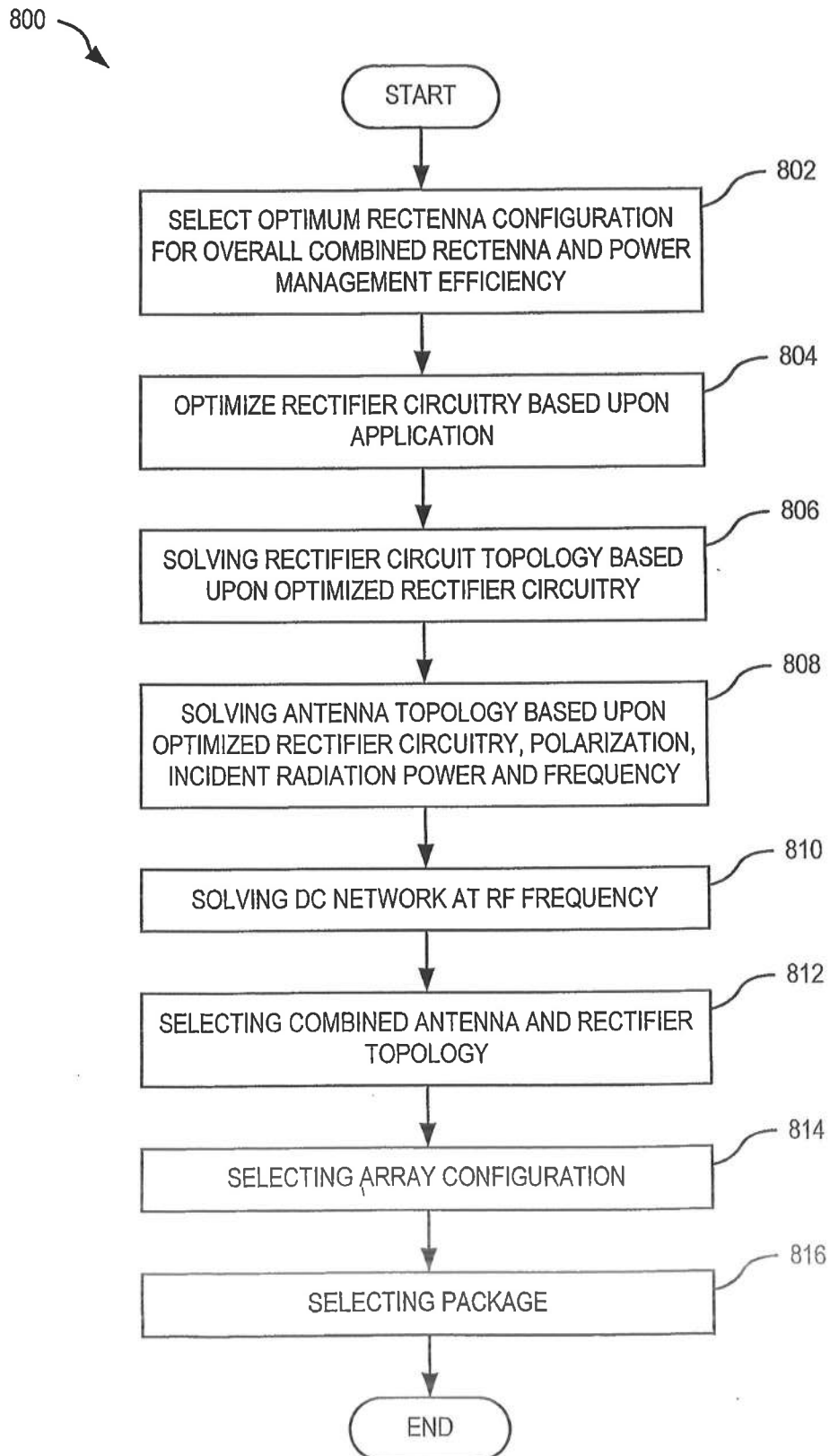
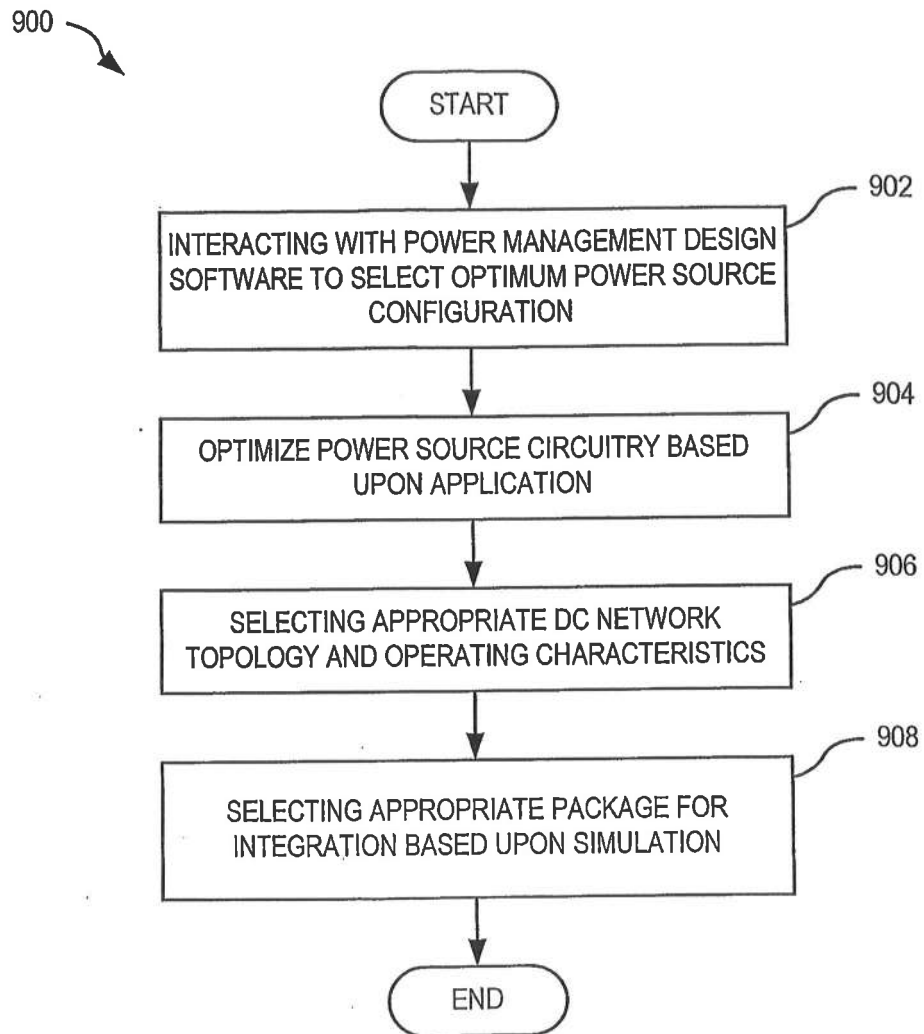


FIG. 8

**FIG. 9**

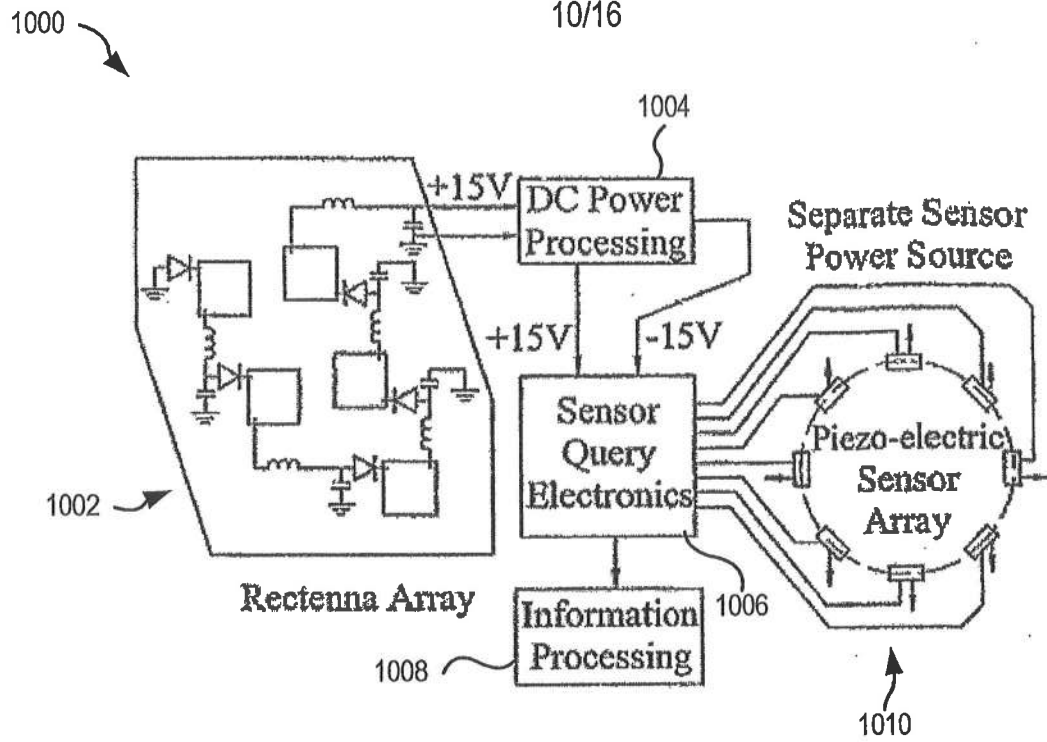


FIG. 10

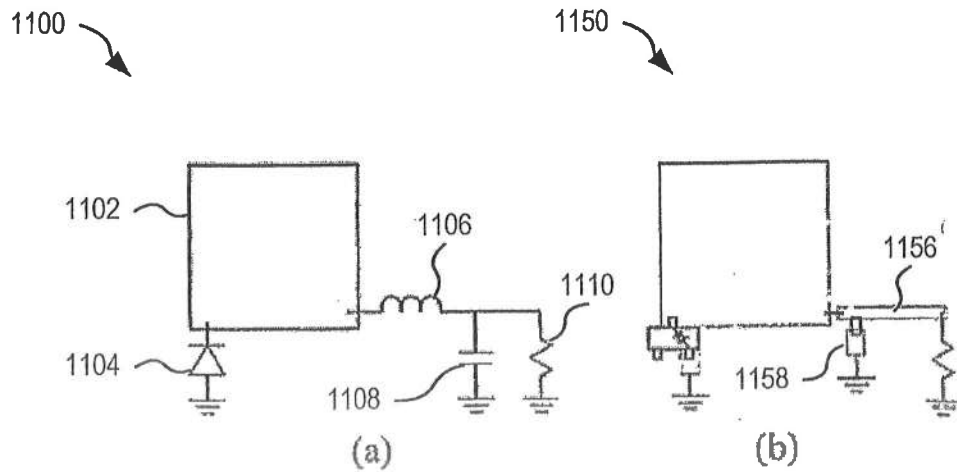
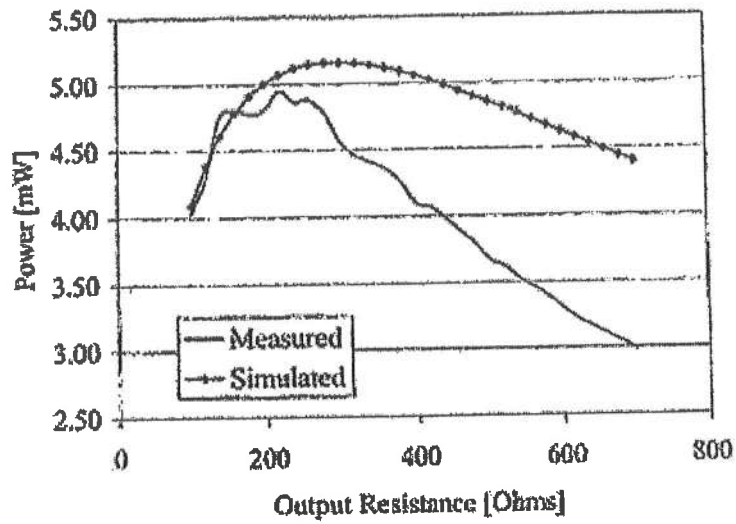


FIG. 11

1200



1250

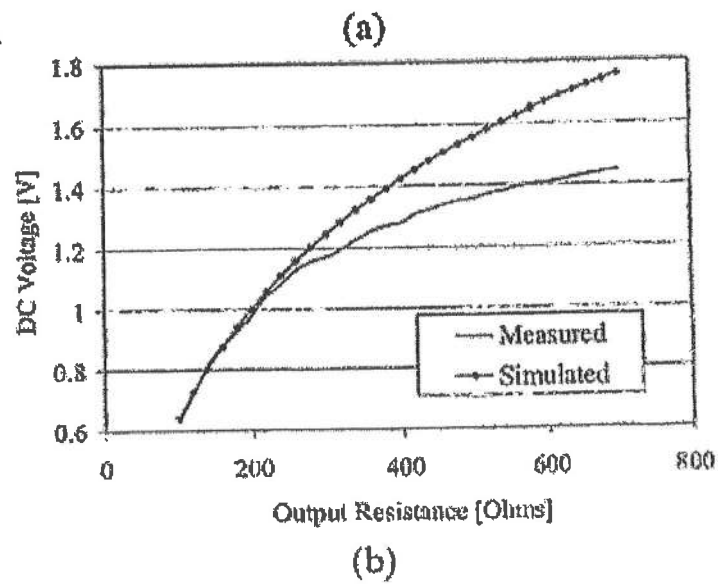


FIG. 12

1300

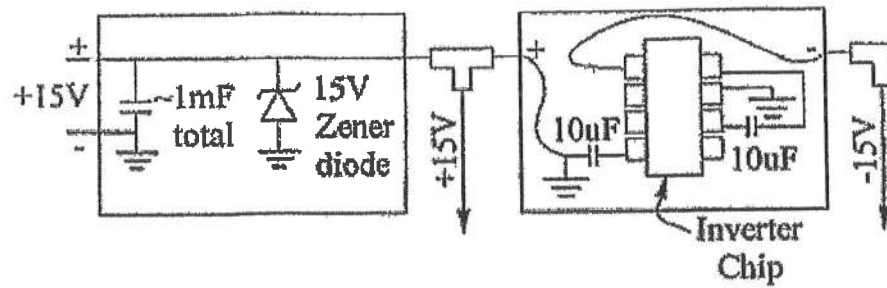
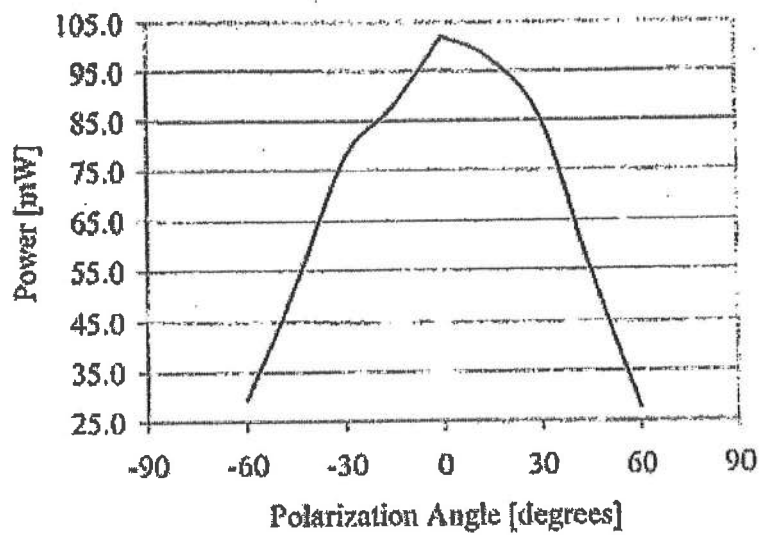


FIG. 13

1400



1450

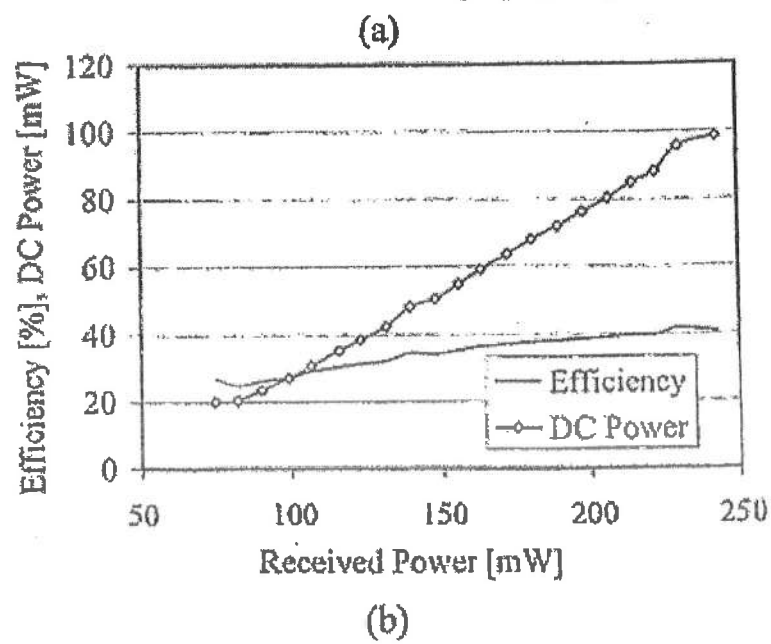


FIG. 14

1500

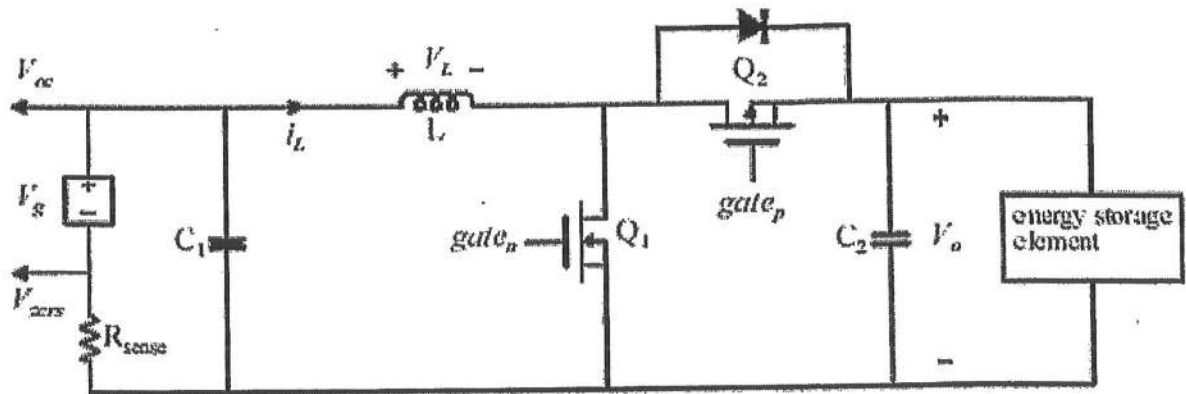


FIG. 15

1600

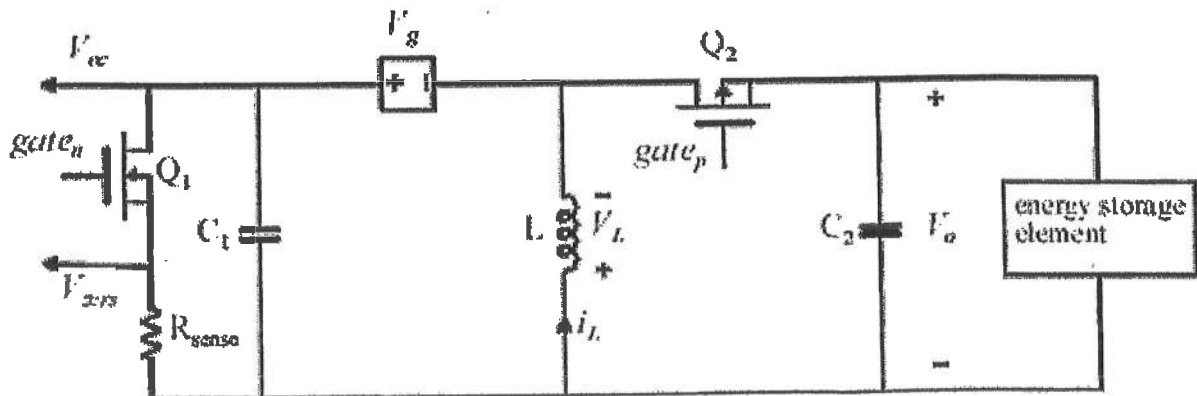


FIG. 16

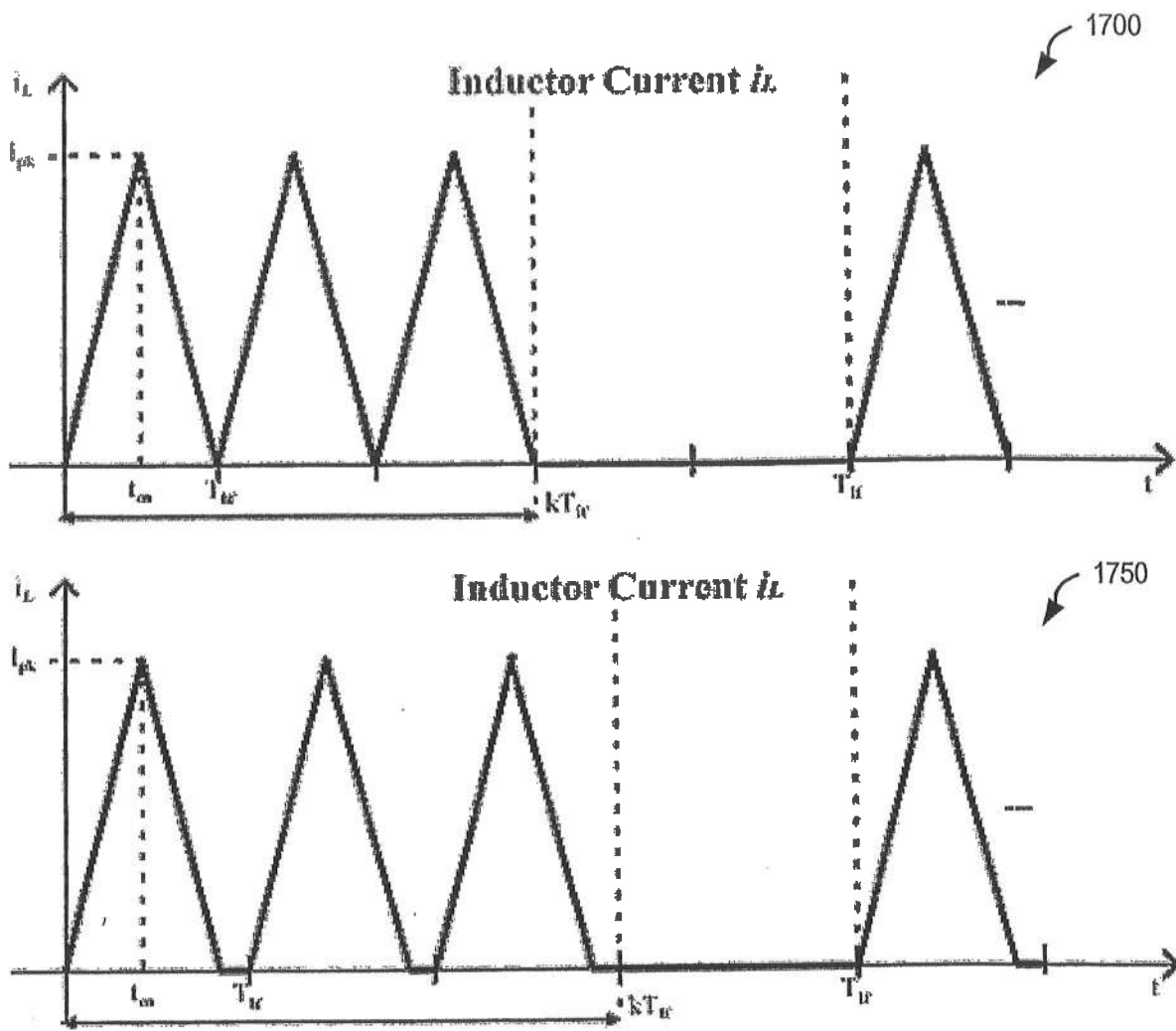


FIG. 17

1800

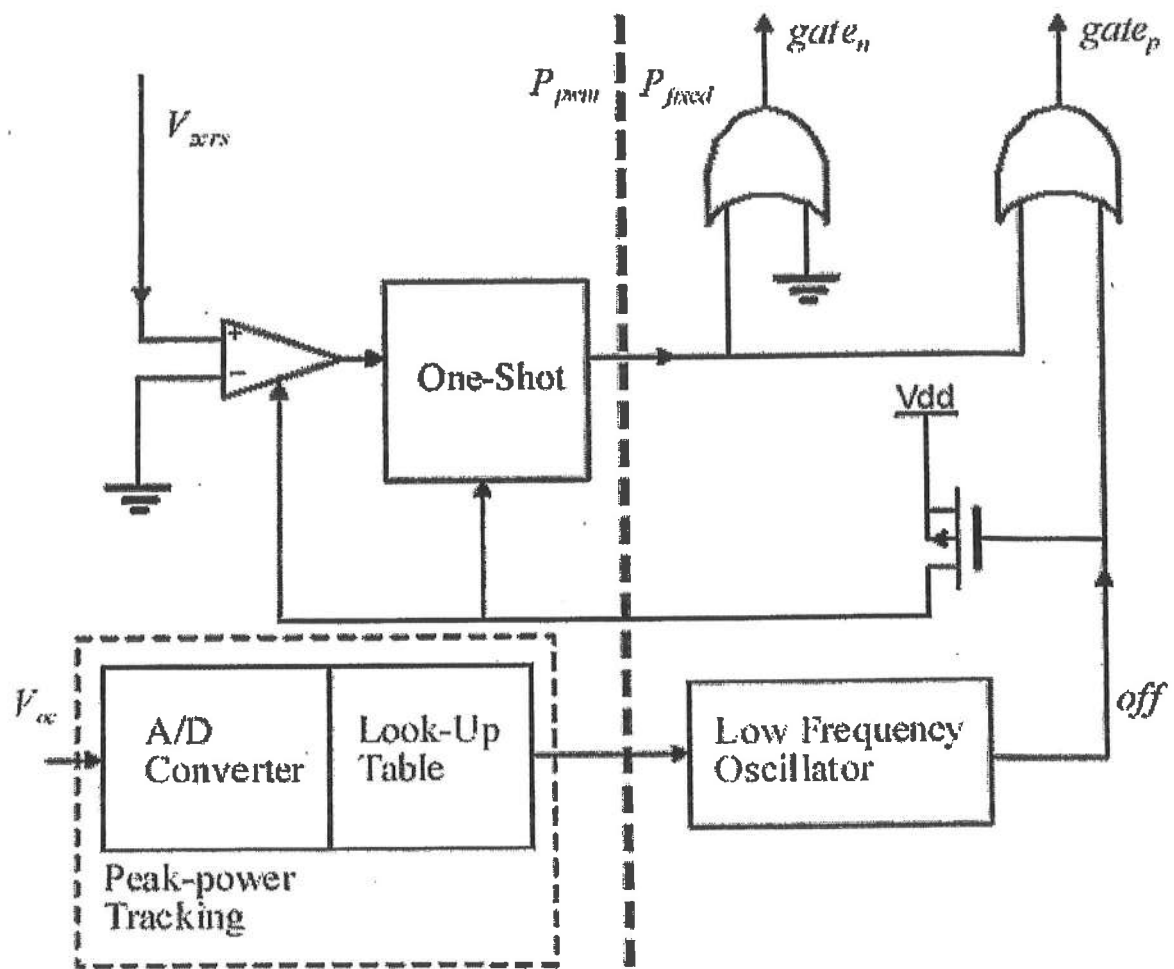


FIG. 18

1900

$$P_{in} = V_g \cdot I_{avg} = V_g \cdot \frac{I_{pk}}{2} k = \frac{V_g^2 \cdot t_{on}}{2L} k \quad (1)$$

1950

$$I_{pk} = \frac{V_g \cdot t_{on}}{L} \Rightarrow R_{emulated} = \frac{2L}{t_{on} \cdot k} \quad (2)$$

FIG. 19

2000

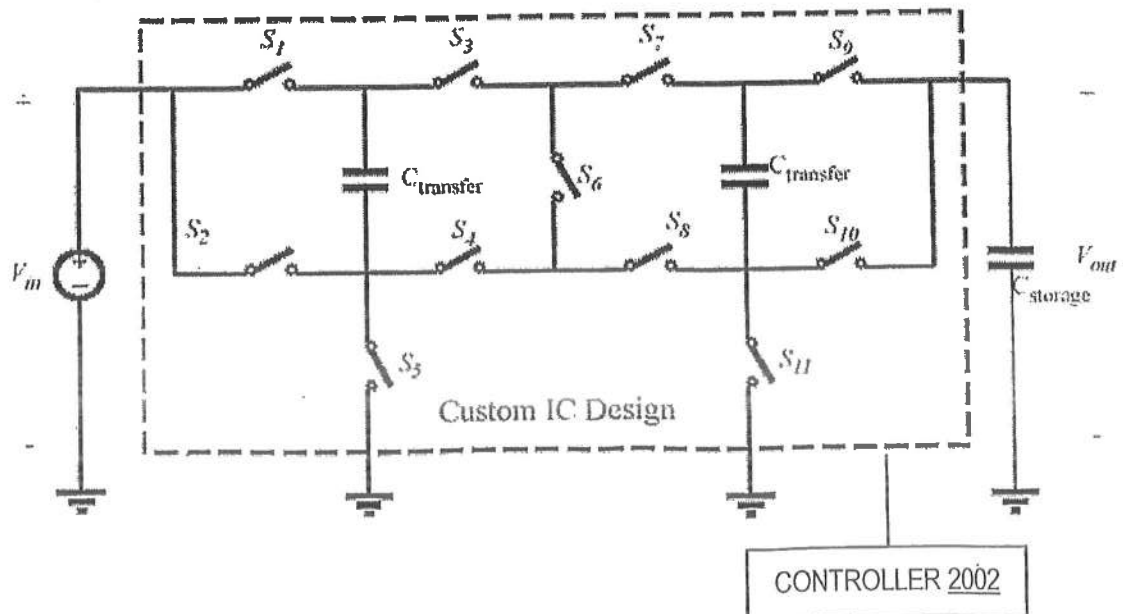


FIG. 20