CIRCUIT OF CHEAP AND BEST ELECTRICAL FAN REGULATOR

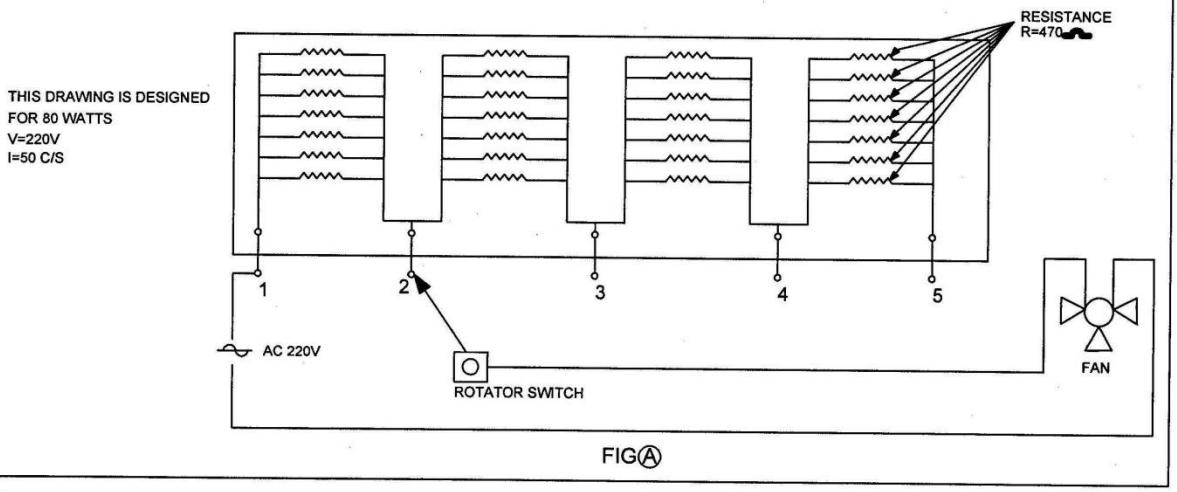
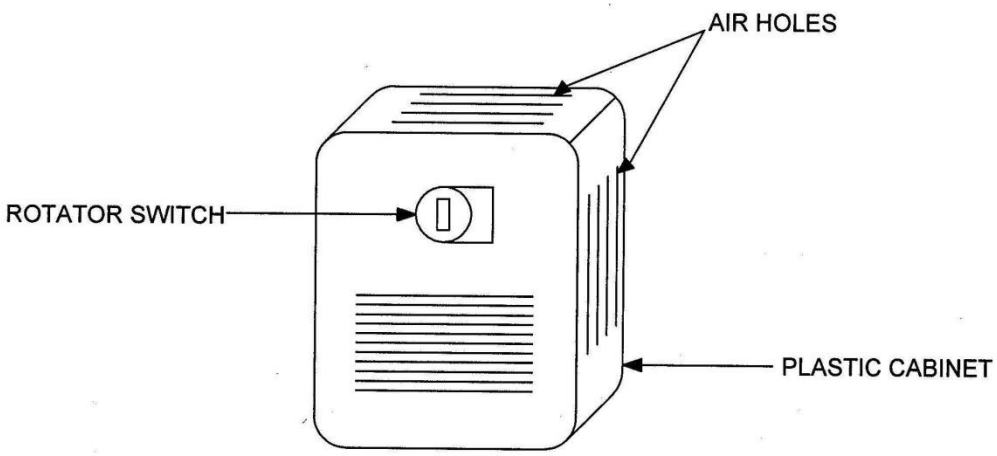


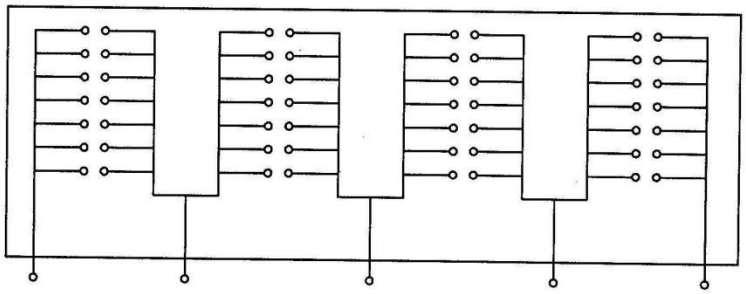
FIG Ⓐ



FULL VIEW OF CHEAP AND BEST ELECTRICAL FAN REGULATOR

FIG Ⓑ

PCB WITHOUT RESISTANCE



FIG©

One new circuit is invented by me for electrical fan regulator which is cheap and best. In available fan regulator the barroter is used to the voltages in various level. But in our product is the pcb is used to drop the voltages in various level.

1.fig B shows the full view of the product and external side of the product. 2.figA shows the full connection diagram of the product 3figC shows the pcb without resistance

Ist we have to take pcb as shown in figA then we put the resistance and solder in pcb holes as shown in fig A Now we connect the pcb ends with rotator switch as shown in figA. Now we connect the rotator switch with as 230v supply if we vary the rotator switch we can get the five different speed of fan

The Resistance network is used to drop the voltages in five level. The terminal 1 no resistance is connected to the fan so we can get the full speed of fan. At terminal 2 13ohms resistance is connected to the fan so the speed of fan is reduced due to resistance connected to the fan the speed is less than that of terminal 1.At terminal 3 26ohms is connected to the fan the speed of the fan is reduced than previous level.hence we get the five various level. BY rotating rotator switch we can get the different speed of the fan. In available fan regulator the barrotor is very costlier than pcb with resistance

What is my idea?

My ideas is designed new circuit to reduce the cost and increases the performance.

What does it do?

It regulate the speed of electrical fan motor by dropping a.c. voltages in different level

How does it work?

It is working by ohms law and circuit theory principles

Have ever seen anything similar?

Yes I have seen available electrical fan regulator but the circuit is different in available

What makes my ideas unique?

Low cost, low care and lot of advantages

ADVANTAGES OF MY PRODUCT

1.cheap cost

2.low care

3.low power loss

4.low heat loss

5.Good performance

ESTIMATION

PARTS REQUIRED

1.28 RESISTANCE

2.ONE PCB

3.ROTATOR SWITCH

4.PLASTIC CABINET

As in Indian market

One resistance price is 0.15 28 resistance	4.20
One pcb	5.00
One rotator switch	8.00
One plastic cabinet	5.00
Total	22.20