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To
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Agent Number:

Sr. No.	CBR Number	Reference Number /Application Type	Application Number	Title/Remarks	Amount Paid	Amount Computed
1	11824	ORDINARY APPLICATION Pages:-4, Claims:-0,Drawings:-0,Abstract:-0,Claims pages:-0	201811017300	MINIATURE GADGET FOR WIRELESS CONTROL OF DEVICES AND TASK AUTOMATION	1750	1750
2		E-2/810/2018-DEL	201811017300	Form2	0	0
Total Amount					1750	1750

Received a sum of Rs. 1750 (Rupees One Thousand Seven Hundred & Fifty only) as under

Payment Mode	Bank Name	Cheque/Draft Number	Cheque/Draft Date	Amount in Rs
Cash	---	---	---	1750

Note: This is electronically generated receipt hence no signature required.

MINIATURE GADGET FOR WIRELESS CONTROL OF DEVICES AND TASK AUTOMATION

The following specification describes the invention -

(i) The invention relates, in one embodiment, to a small portable device, consisting of micro-controller chip / chips, circuitry, mini-cells / battery / cells, buzzers / piezo buzzers / mini buzzers, buttons / switches / mini-buttons

When one of switch attached on gadget is acted on, either: micro-chip connected to buzzer is in ready state or if not, get started / ON.

Each button input an analogous reading to chip, which translates to different sound produced. For differentiating sound (producing different sound on single gadget which may have 1 to many switch, one of the following may be different:

1. Note
2. Volume
3. Time duration
4. Trigger
5. Unique sonic command like different material
6. ^{Other ways of} produces, through circuitry / ^{when} buzzer ^{are} different / TONE

^{characterized} The sound is received by an electronic gadget present in close or far away proximity, mapped to source button (which produced) & output is produced according to ~~embedded~~ code

(ii) The invention relates, in another embodiment, to a small apparatus, having non electronic / chipless setup.

Method of production of sound is mechanical & process till detection is same as above.

BACKGROUND ART

Existing technology for wireless control can be divided in 2 parts →

- (i) Line of sight → One big example is T.V remote where one has to point in direction of receiver usually installed near T.V for sending commands. (RC-car controlled by a particular radio).
- (ii) Directionless → Person don't have to orient gadget in a particular direction. Examples are - bluetooth remote, Internet of Things (all using radio signal)
- (b) Another branch of directionless is Voice Command & control. It doesn't require touch so

DIFFERENCE BETWEEN MY INVENTION AND BACKGROUND ART

1. With respect to line of sight & directionless technologies, they are reasonably big than my invention in size
2. Hence, even though one choose the smallest of these technology, person may not carry remote/smartphone all the time. So, one will go near it which then becomes no different than using primitive wired switch boards. It is not compelling to use multiple control device. My invention is so small that one has the liberty to buy & attach many gadget, having single or many switch combinations, covering the whole area around him/her.
3. Compared with voice command & control, person has to remember command, speak out & may be shout for interpreter to hear & act. With many appliances, this is energy draining & not spontaneous
4. Considering gesture technology, recognition by camera, User has to come in range & field of view of both 2 setups. But they have only 1 use case overlap with my invention

OBJECT OF THE INVENTION

1. Principle object of my invention is to provide maximum functionality per size (area/volume) of gadget
2. Another object of my invention is to be smallest in size for any hand held control gadget
3. Another object of my invention is to give flexibility to user for adding/removing switches on my gadget, modification as deemed by user

BENEFITS OF THE INVENTION

1. Small in size
2. Flexible
3. Comfort to user

APPLICATIONS

1. Home automation
2. Web App access & predefine actions
3. Control machinery in industries

Jalshya
08-05-2018