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(54) Title: AN ANNOUNCING SYSTEM THAT STARTS UP BY MOTION SENSING, TRIGGERING, TOUCHING OR BY
SOUND

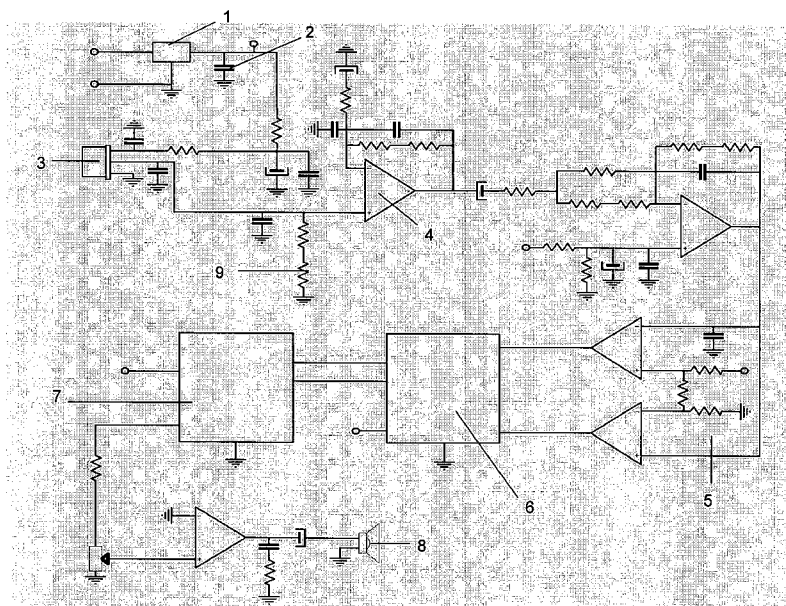


Figure 1

(57) Abstract: This invention is related with an announcing circuitry that starts up by sensing the motion of any living being at a
desired time and distance range or by triggering, touching or by any sound (clapping hands, talking, whistling, etc.) and making any
music or words (advertisement, message, warning).

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DESCRIPTION**AN ANNOUNCING SYSTEM THAT STARTS UP BY MOTION SENSING,
TRIGGERING, TOUCHING OR BY SOUND****TECHNICAL FIELD**

This invention is related with an announcing circuitry that starts up by sensing the motion of any living being at a desired time and distance range or by triggering, touching or by any sound (clapping hands, talking, whistling, etc.) and making any music or words (advertisement, message, warning).

KNOWN STATUS OF TECHNIQUE

Today advertisement has an important status for companies. Advertisements play an important role in enabling the companies to announce their names, introduce their products, increase their sales, compete with their rivals in the market and to be continuously remembered. The advertisement techniques are now achieved by many electronic, mechanical, etc. formations.

The classical advertisement units are any objects such as luminous or non-luminous panels, billboards, stands, boards, etc. manufactured of metallic, plastic, wooden or similar materials. As technology develops, such advertisement units are gradually replaced by the units in a digital and/or electronic system.

DESCRIPTION OF INVENTION

In today's conditions, the humans are not satisfied only with visuality relative to older times, but they also need to be audibly remembered or warned. This invention overcomes the above disadvantages, and its feature is that it is not a constant sound, but can provide different or special messages in line with the desired demand, thanks to its motion sensing, that provides satisfactory welcoming or accompanying the customers when they come to and leave the firm, or when they are in front of shop windows and stands, ensuring to provide features and advertisement of a

product or providing the desired message such as audible warning, reminding (e.g. please don't touch – turn off your cell phone – wipe clean your shoes on mat – don't leave the door open) . It is a product having audible warning feature that can be used in many fields.

The firms have acquired a certain position in human minds with their slogans or melodies formed as specific to themselves which have been previously published through newspapers or television, radio broadcasting. Thanks to this invention, a company-specific audible advertisement or announcement can be made by drawing attention. This way of advertising becomes effective in achieving the target more effectively for continuous remembrance of products. Since the people are already familiar with such sounds and melodies, it will ensure refreshment of advertisement in their minds when they hear the sound even if they do not look at shop windows, stands, etc. areas.

Furthermore, another purpose of the invention is to warn persons where they are to be warned. The product does not require manpower, thus reduces the advertising costs.

PARTS AND COMPONENTS CONSTITUTING THE INVENTION

1. Regulator
2. Condenser
3. Sensor
4. Amplification layer
5. Comparison layer
6. Assessment layer
7. Talk circuit
8. Sound amplification circuit
9. Resistor

SHORT EXPLANATION OF DRAWINGS

Figure 1 : Operation circuit view of the invention

EXPLANATION OF INVENTION

The invention is composed of a regulator (1), condenser (2), sensor (3), amplification layer (4), comparison layer (5), assessment layer (6), talk circuit (7), sound amplification circuit (8) and resistor (9).

First the regulator (1) and condenser (2) are used to fix the input voltage ranging between 9-12 Volts to +5 Volts. The sensor (3) produces output with the motion of heat-emitting masses. This output is very weak, at milivolts level. Some resistor (9) and condenser (2) values are provided at the supply layer of this sensor (3). The amplification layer (4) is the section that amplifies the sensor (3) output with some resistor (9) and condenser (2) values. The comparison layer (5) is the section that senses the motion when the output of amplification layer (4) is above or below certain values. The assessment layer (6) is a micro controller that senses the occurrence of a motion and accordingly sends the relevant electrical signals to the sound circuit. The talk circuit (7) has the previously recorded music or sound, which produces sound according to the signals received from micro controller. The sound amplification circuit (8) is the section that amplifies the sound signals received from the talk circuit (7) to a level sufficient to drive the speaker, while automatically adjusting the sound level.

CLAIMS

1. This invention is related with an announcing circuitry that starts up by motion sensing, triggering, touching or by sound and its feature is that it is composed of a regulator (1), condenser (2), sensor (3), amplification layer (4), comparison layer (5), assessment layer (6), talk circuit (7), sound amplification circuit (8) and resistor (9).
2. It relates to an announcing circuitry as mentioned in Claim 1, and its feature is that the regulator (1) and condenser (2) fix the input voltage ranging between 9-12 Volts to +5 Volts.
3. It relates to a sensor (3) as mentioned in Claim 1, and its feature is that it is a part which produces output with the motion of heat-emitting masses.
4. It relates to an amplification layer (4) as mentioned in Claim 1, and its feature is that it is a part which amplifies the sensor (3) output by resistor (9) and condenser (2) values.
5. It relates to a comparison layer (5) as mentioned in Claim 1, and its feature is that it is a part which senses the motion when the output of amplification layer (4) is below or above certain values.
6. It relates to an assessment layer (6) as mentioned in Claim 1, and its feature is that it is a micro controller which senses the occurrence of a motion and accordingly sends relevant electrical signals to the sound circuit.
7. It relates to a talk circuit (7) as mentioned in Claim 1, and its feature is that it is a circuit which produces sound according to the signals received from assessment layer (6).
8. It relates to a sound amplification circuit (8) as mentioned in Claim 1, and its feature is that it amplifies the sound signals received from talk circuit (7), while automatically adjusting the sound level.

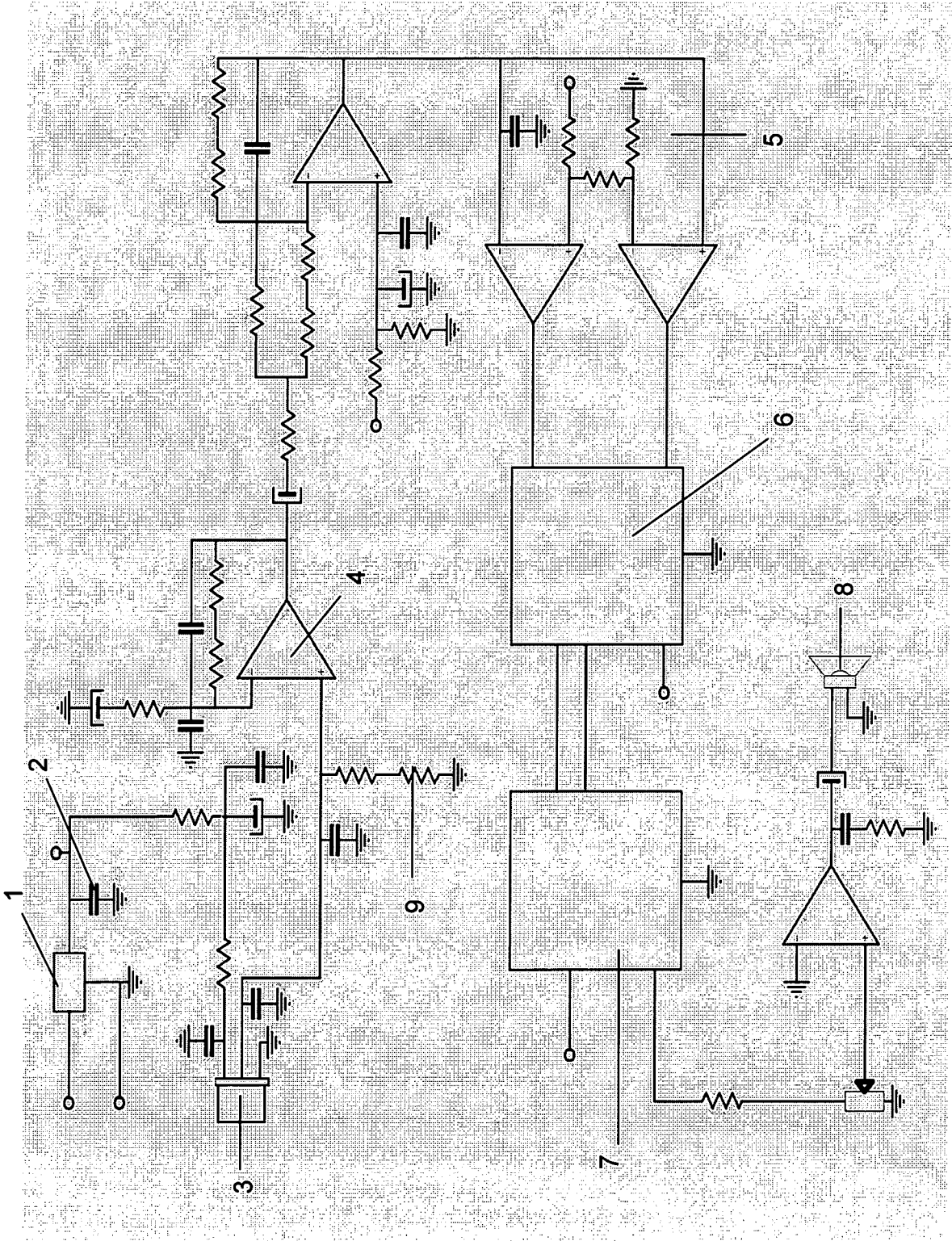


Figure 1

INTERNATIONAL SEARCH REPORT

International application No

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A. CLASSIFICATION OF SUBJECT MATTER

INV. H04R27/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/185401 A1 (WATSON JAMES A [US]) 2 October 2003 (2003-10-02) the whole document	1-8
X	US 4 926 486 A (BARSUMIAN BRUCE R [US]) 15 May 1990 (1990-05-15) abstract; figure 2	1-8
X	US 2006/280315 A1 (NORRIS ELWOOD G [US] ET AL) 14 December 2006 (2006-12-14) abstract paragraph [0045]; figures 1,4	1-8
X	US 2006/221593 A1 (ALDEN RAY M [US]) 5 October 2006 (2006-10-05) abstract paragraph [0052]; figure 5	1-8



Further documents are listed in the continuation of Box C.



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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003185401	A1	02-10-2003	NONE
US 4926486	A	15-05-1990	NONE
US 2006280315	A1	14-12-2006	NONE
US 2006221593	A1	05-10-2006	NONE