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(54) SECURITY ALARM DEVICE WITH FUNCTION OF ALARM SIGNAL TRANSMISSION TO THE COMPUTERIZED USER DEVICE

(57) The invention relates to security alarm devices and can be used as alarm device for registration of touches or approaching to the protected object. The invention also provides signal transmission to the computerized user device (smartphone, tablet computer etc.) For achieving above said goals, proposed security alarm device with the function of alarm signal transmission to the computerized user device, comprising the independent current source, control, signaling, indicating unit, whose input port is connected with process controller, safety

sensor. According to the invention, process controller has the form of Bluetooth LE microcontroller. At least one capacitance proximity sensor with active shielding and make-break electrodes is used as the safety sensor, which is connected with platen selector and Bluetooth LE microcontroller. Capacitance proximity sensor is combined with control, signaling, indicating unit on the one printed circuit, Bluetooth LE microcontroller and active shield, which has the form of printed circuit track.

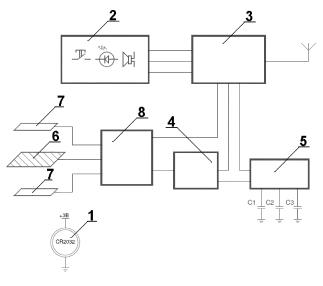


FIG. 1



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DECLARATION

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which under Rule 63 of the European Patent Convention EP 15 02 0073 shall be considered, for the purposes of subsequent proceedings, as the European search report

CLASSIFICATION OF THE The Search Division considers that the present application, does not comply with the provisions APPLICATION (IPC) of the EPC to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of all claims INV. Reason: G08B13/14 The subject matter of the present application and of the claims on file lack clarity, Article 84 EPC, to such an extend that a meaningful search is not considered possible. Substantial and formal objections are summarized below. Formally, the means as claimed in claim 1 should have been provided with reference signs for improving their intelligibility, Rule 43(7) EPC. 3 The features introduced with the definite article "the" (the independent current source, the one printed circuit) as if they had an antecedent are unclear because they do not have any such antecedent. 4 Substantially, claim 1 is first generally unclear because it relates to a security alarm system, however it does not recite the nature of the alarm to be considered, what means are responsible for generating an alarm and in which circumstances the generation takes place, and what means among the claimed means are having, individually or in combination, the claimed function of alarm transmission to the computerized user device. The description does not provide enough clear hints either, that would allow to clarify, or give a general meaning to the claimed subject matter. The purpose and general use of the claimed device is therefore unclear. Claim 1 merely recites a series of means. The nature and function of these means, and their interaction, are however either not at all recited or mostly unclear. For details, see below. One of the means is called 5.1 1 1504 (P04F37) **EPO FORM** Place of search Bourdier, Renaud Munich 28 January 2016



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CLASSIFICATION OF THE The Search Division considers that the present application, does not comply with the provisions APPLICATION (IPC) of the EPC to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of all claims Reason: "control, signaling, indicating unit". The skilled reader has however no idea of what control, what signaling and what indicating this unit is there for. To the control function, the examiner observes that claim 1 also recites a process controller and a Bluetooth LE microcontroller. The allocation of control among these entities is obscure. An input port of the control, signaling, indicating unit (referred to as (2) in the description) is said to be "connected with process controller, safety sensor comprising that process controller". It is first unclear whether there is either one item in the application referred to as "process controller" and one item referred to as "safety sensor", or if one item is called "process controller, safety sensor". Should there an item in the application called "safety sensor", then according to the 4th line of claim 1 the safety sensor comprises the process controller. But then, claim 1 recites at the 5th and 6th lines that the capacity proximity sensor is used as the safety sensor. This would mean that the capacity proximity sensor comprises the process controller, which does not seem to be consistent with the description. Should there be an item called "process controller" by itself, then what is it? According to page 5, lines 5-7 of the description, the control, signaling, indicating unit 2 is said to be "connected with process controller (only !), which has the form of Bluetooth LE microcontroller 3". For what reason should 1 1504 (P04F37) **EPO FORM** Place of search Munich Bourdier, Renaud 28 January 2016

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claim 1 then recite a process controller and a Bluetooth LE microcontroller, when one is equal to the other? In any case, the purpose of the means designated as "process controller", a vague and indefinite expression unconnected to technical features for clarifying its scope, is also obscure. It follows that the nature of the features cited in this point and the way they interact is fully obscure, and therefore totally unclear, Article 84 EPC. 5.3 The signification of "make-break" electrodes fails to be understood. 5.4 The technical nature of the claimed "platen selector" fails to be understood in the context of claim 1 alone. 5.5 The content and the syntax of the last 3 lines of claim 1 is such that the corresponding features fails to be understood: what is the technical meaning of "combined", especially in view of the also claimed term "connected"? What printed circuit is it? Is especially the claimed one printed circuit to be construed as being part of the claimed alarm device? Are there other parts of the claimed alarm device that are not on the printed circuit? What is the meaning of the term "one" in the expression "the one printed circuit?? Are the claimed Bluetooth LE microcontroller and active shield (9th and 10th line of claims) to be understood also as grammatical complement to the expression "combined with", or not? It is also submitted that the passage at -/		esent application, does not comply with the propossible to carry out a meaningful search into		CLASSIFICATION OF THE APPLICATION (IPC)
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of the EP		esent application, does not comply with the propossible to carry out a meaningful search into		CLASSIFICATION OF THE APPLICATION (IPC)
Reason:	e art on the basis of all Gallis			
	"Capacitance proxing sensors conductors circuit which are commutator 8 to the indicating 2 unit", providing a vague sto be consistent with figure 1 showing not boxes 7,8 or 4 on cother hand. The application numbers as cited at pages 2 application, are avexaminer. The other citations and Patent of RF Noretrieved. The applicant's attact that a search during examination of no search under	connected through the econtrol, signaling, tentatively elected as support, does not seem of the the content of connection between one hand, and 2 on the content is also made that only the -very name and so the licant is also made chat only the -very name and so the present with so UA83534U and UA81947, and 3 of the present wailable to the content is drawn to the may be carried out following a declaration Rule 63 EPC, should the to the declaration ercome (see EPC		
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