



(11) **EP 3 301 656 A3**

(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:  
**01.08.2018 Bulletin 2018/31**

(51) Int Cl.:  
**G08B 13/18 (2006.01)**

(43) Date of publication A2:  
**04.04.2018 Bulletin 2018/14**

(21) Application number: **17193908.5**

(22) Date of filing: **28.09.2017**

(84) Designated Contracting States:  
**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR**  
Designated Extension States:  
**BA ME**  
Designated Validation States:  
**MA MD**

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(30) Priority: **29.09.2016 US 201662401204 P**  
**29.09.2016 US 201662401205 P**  
**29.09.2016 US 201662401227 P**

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(54) **SYSTEM AND METHOD FOR AN ALARM SYSTEM**

(57) An alarm system (100), comprising: at least one motion sensor (102); at least one audio capture device (104), adapted to continuously record an audio signal; and at least one hardware processor (101), electrically connected to the at least one motion sensor and the at least one audio capture device, and adapted to: receive (301) a signal from the at least one motion sensor indicating detection of a moving object; receive (302) at least part of the audio signal from the at least one audio capture device; analyze (304) the at least part of the audio signal to determine a presence of at least one vehicle sound; identify (308) a correlation between the detection of a moving object and the determination of at least one vehicle sound presence; and decrease (309) sensitivity of at least one sensor of the alarm system for at least a predetermined period of time.

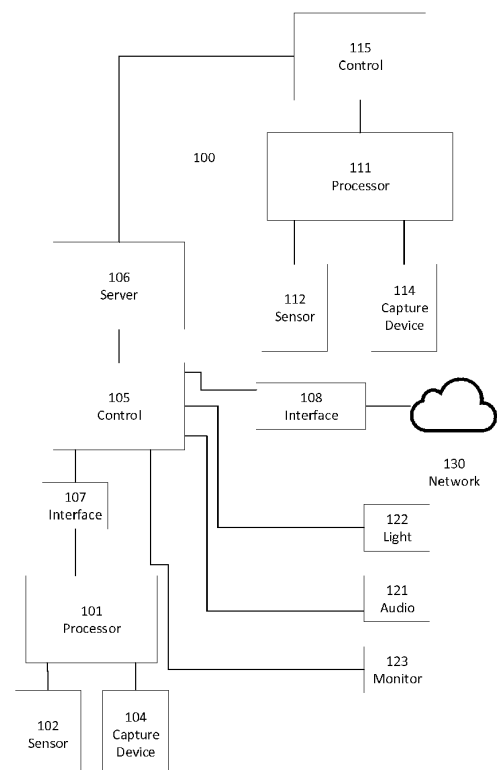


FIG. 1

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## EUROPEAN SEARCH REPORT

Application Number  
EP 17 19 3908

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The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 25 June 2018	Examiner Seisededos, Marta
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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Place of search Munich		Date of completion of the search 25 June 2018	Examiner Seisdedos, Marta
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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Application Number

EP 17 19 3908

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

**LACK OF UNITY OF INVENTION**

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION**  
**SHEET B**

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-5

A system comprising an audio and motion sensor, whereby when a moving vehicle is detected the sensitivity of at least one sensor is decreased. The problem to be solved is the avoidance of false alarms when a moving vehicle is present.

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2. claims: 6-11

A method for a system comprising two sensors wherein when particular activities are detected by the first sensor the sensitivity of a second sensor is decreased for a predetermined time interval. The problem to be solved is reducing false alarms of an alarm system by using sensor redundancy.

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3. claims: 12-15

A system wherein the operation parameters of a sensor are adjusted to the output of a capture device. The problem to be solved is improving the operational parameters of the sensors according to the situation.

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ON EUROPEAN PATENT APPLICATION NO.**

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