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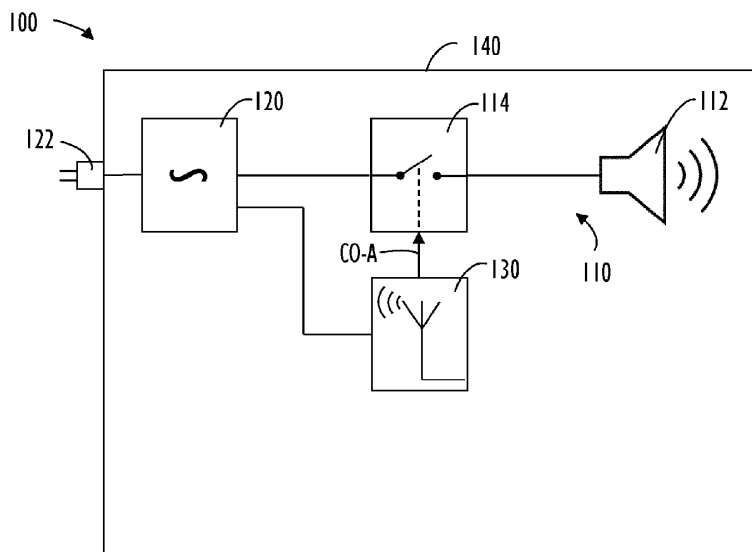
(30) Priority: **13.04.2022 FI 20224045**

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(54) **SOUND WARNING DEVICE**

(57) An audible alarm device (100) comprises an arrangement (110) for producing an alarm conveyed by means of sound. Furthermore, the audible alarm device comprises a power source (120) connected to said arrangement (110). The audible alarm device additionally comprises a receiver (130) for receiving an alarm signal

transmitted by radio, which receiver (130) is connected to the power source (120) and said arrangement (110). Said arrangement (110) is further configured to produce the alarm when the receiver (130) receives the alarm signal.



**FIG. 1**

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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 2008/266121 A1 (ELLUL JOSEPH A [US]) 30 October 2008 (2008-10-30) * paragraph [0070] - paragraph [0078]; figure 11 *	1-3	INV. G08B3/10 G08B7/06
X	----- AU 2021 245 122 A1 (EMERALD PLANET ENVIRONMENTAL PTY LTD) 13 January 2022 (2022-01-13) * paragraph [0025] - paragraph [0060]; figure 1 *	1-3	
X	----- CN 110 428 590 A (UNIV GUIZHOU) 8 November 2019 (2019-11-08) * the whole document *	1-3	
			TECHNICAL FIELDS SEARCHED (IPC)
			G08B
The present search report has been drawn up for all claims			
Place of search <b>The Hague</b>		Date of completion of the search <b>25 August 2023</b>	Examiner <b>Kurzbauer, Werner</b>
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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**CLAIMS INCURRING FEES**

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

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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):

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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.

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**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:

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**see sheet B**

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

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

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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:

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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:

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**3 (completely); 1, 2 (partially)**

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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**

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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:

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**1. claims: 3 (completely); 1, 2 (partially)**

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An audible alarm device comprising an arrangement for producing an alarm conveyed by means of sound, a power source connected to said arrangement, a receiver for receiving an alarm signal transmitted by radio, said arrangement is configured to produce an alarm when the receiver receives the alarm signal, said arrangement for producing the alarm comprises: a sound-producing device that is configured, when in a power connection, to produce said alarm conveyed by means of sound, and a switch connected to the receiver and connected between the power source and the sound-producing device, wherein the switch is configured in its opened operation mode to prevent the power connection from the power source to the sound-producing device and wherein the switch is configured for being directed to a closed operation mode to form the power connection from the power source to the sound-producing device for producing the alarm when the receiver receives the alarm signal.

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**2. claims: 4, 5 (completely); 1, 2 (partially)**

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An audible alarm device comprising an arrangement for producing an alarm conveyed by means of sound, a power source connected to said arrangement, a receiver for receiving an alarm signal transmitted by radio, said arrangement is configured to produce an alarm when the receiver receives the alarm signal, further comprising a detector for detecting a fire, a transmitter that is connected to the detector and the power source and configured to transmit a fire alarm signal when the detector has detected the fire.

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**3. claims: 6 (completely); 1, 2 (partially)**

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An audible alarm device comprising an arrangement for producing an alarm conveyed by means of sound, a power source connected to said arrangement, a receiver for receiving an alarm signal transmitted by radio, said arrangement is configured to produce an alarm when the receiver receives the alarm signal, further comprising an alerting lamp connected to the receiver and the power source, wherein said alerting lamp is configured to produce light when the receiver receives the alarm signal.

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**4. claims: 7 (completely); 1, 2 (partially)**

An audible alarm device comprising an arrangement for

**LACK OF UNITY OF INVENTION  
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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:

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producing an alarm conveyed by means of sound, a power source connected to said arrangement, a receiver for receiving an alarm signal transmitted by radio, said arrangement is configured to produce an alarm when the receiver receives the alarm signal, further comprising a sound-producing device which is configured to produce a voice instruction or an alarm sound, and a microcontroller that is connected to said sound-producing device, power source and receiver, and that the microcontroller is configured to transmit a voice instruction or an alarm sound to the sound-producing device for forming the alarm conveyed by means of sound when the receiver receives the alarm signal.

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5. claims: 8 (completely); 1, 2 (partially)

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An audible alarm device comprising an arrangement for producing an alarm conveyed by means of sound, a power source connected to said arrangement, a receiver for receiving an alarm signal transmitted by radio, said arrangement is configured to produce an alarm when the receiver receives the alarm signal, further comprising an enclosure, wherein at least the arrangement, the power source and the receiver are arranged into the enclosure.

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

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5 This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

25-08-2023

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
<b>US 2008266121 A1</b>	<b>30-10-2008</b>	<b>NONE</b>	
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<b>AU 2021245122 A1</b>	<b>13-01-2022</b>	<b>AU 2021245122 A1</b>	<b>13-01-2022</b>
		<b>CA 3211185 A1</b>	<b>25-08-2022</b>
		<b>EP 4295112 A1</b>	<b>27-12-2023</b>
		<b>WO 2022174290 A1</b>	<b>25-08-2022</b>
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<b>CN 110428590 A</b>	<b>08-11-2019</b>	<b>NONE</b>	
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82