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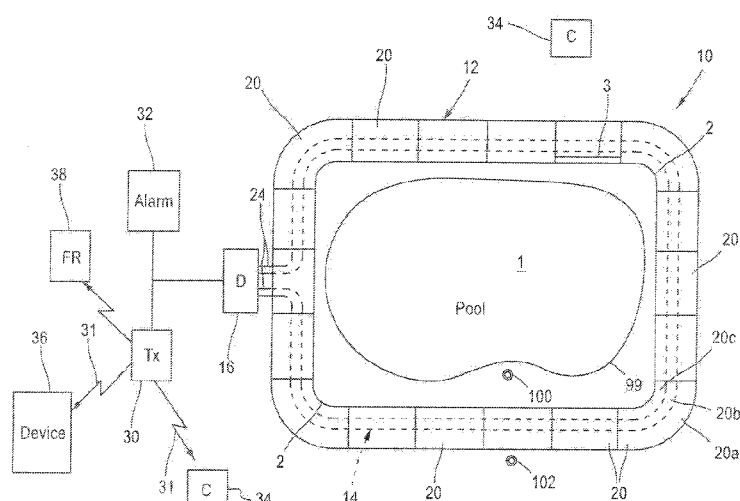


Fig. 1

(57) Abstract: An alarm system (10) surrounds a pool (1), or other body of water, to alert a parent or other personnel of a potential drowning situation for a child. A pad (20) borders the pool (1) and is separated into sections (20a, 20b, 20c). The pad (20) encloses pressure sensors (24) that detect when a child comes onto the pad. The different sections include different sensors. The sensors (24) are coupled to a detector device (16) that determines different actions to perform to alert someone of the danger situation. The actions includes an audible alarm (32), vibration, shock or sending an image, video or message indicating that a child is in danger.

A. CLASSIFICATION OF SUBJECT MATTER**G08B 21/08(2006.01)i, G08B 21/22(2006.01)i, G08B 21/02(2006.01)i, G08B 3/10(2006.01)i, G08B 25/14(2006.01)i**

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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

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: drown, pad, sensor, alarm, camera

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2011-0273291 A1 (DONALD ADAMS) 10 November 2011 See paragraphs [0010], [0019]–[0028], [0036]–[0042]; and figures 1–3, 6.	1–18
Y	US 2008-0266118 A1 (NICHOLAS J. PIERSON et al.) 30 October 2008 See paragraphs [0026], [0047]–[0056]; and figures 2, 4.	1–18
A	US 2009-0251321 A1 (DARREN GEORGE DELOREY) 08 October 2009 See paragraphs [0004]–[0005]; and claims 1–9.	1–18
A	US 2010-0182151 A1 (PING-HSUN YANG) 22 July 2010 See paragraphs [0011]–[0016]; claims 1–8; and figure 1.	1–18
A	US 2008-0278338 A1 (JORDAN MICHAEL KRELL) 13 November 2008 See paragraphs [0009]–[0010], [0018], [0040]–[0044]; and figures 1, 4.	1–18



Further documents are listed in the continuation of Box C.



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US 2011-0273291 A1

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