

Title (en)  
DEVICE FOR DETECTING THE FALL OF A BODY INTO A SWIMMING POOL

Title (de)  
VORRICHTUNG ZUR DETEKTIERUNG DES STURZES EINES KÖRPERS IN EIN SCHWIMMBAD

Title (fr)  
DISPOSITIF DE DETECTION DE LA CHUTE D UN CORPS DANS UNE PISCINE

Publication  
**EP 1529269 A2 20050511 (FR)**

Application  
**EP 03755639 A 20030725**

Priority  
• FR 0302369 W 20030725  
• FR 0209491 A 20020726

Abstract (en)  
[origin: US2005258968A1] Device to deliver an alarm signal upon detection of a gravitational wave generated by a body falling into a swimming pool, using a differential detector that includes a comparison device for comparing a sensitivity threshold value to the value of the electrical signal received, and to deliver an alarm signal when the received electrical signal exceeds the sensitivity threshold value. The electrical signal resulting from the detected waves is delivered to a comparator and allows a programmed microprocessor to deliver variable-width pulses to the input of the comparator so as to reduce the sensitivity of the device when the device detects an atmospheric disturbance. The microprocessor triggers the alarm when the width of the output pulses from the comparator is larger than a predetermined critical reference and when the frequency F of the analogue electrical signal lies between two predetermined values F 1 and F 2.

IPC 1-7  
**G08B 21/08**

IPC 8 full level  
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CPC (source: EP US)  
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**US 2005258968 A1 20051124; US 7170416 B2 20070130**; AT E358310 T1 20070415; AU 2003273479 A1 20040216; BR 0312986 A 20050614; CA 2493962 A1 20040205; DE 60312865 D1 20070510; DE 60312865 T2 20080124; EP 1529269 A2 20050511; EP 1529269 B1 20070328; ES 2285172 T3 20071116; FR 2842933 A1 20040130; FR 2842933 B1 20041119; MA 27376 A1 20050601; PT 1529269 E 20070711; TN SN05018 A1 20070514; WO 2004011949 A2 20040205; WO 2004011949 A3 20040408; ZA 200501270 B 20060426

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