



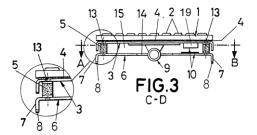


Ceramic module with vibration for flooring.

DESCRIPTION OF THE INVENTION

The invention warns a person or an animal of a danger as the person or animal advances across a floor.

It is characterised by containing at least one tile (1) that lies on a plate (3), from which it is separated by a layer of insulating material (4), said plate (3) lying on vibration-proof side supports (5) that stand on a base (6) with legs (8), the base holding a motovibrator (9) fastened to the bottom surface of the plate (3), the motovibrator (9) being activated by a sensing device (10) that is activated when the tile (1) is stepped on and/or when a person or animal comes into its vicinity.



SECTORS FOR BUSINESS APPLICATION

The sectors where the technology is applicable are as follows:

- Public construction work: pedestrian crossings, homes for the elderly, schools or homes for persons with sight impairment
- Civil engineering work: restricted crossings
- Animal homes, zoos, etc.

TECHNICAL ADVANTAGES AND BUSINESS BENEFITS

The technology provides the following advantages and benefits:

- Ceramic module with vibration for flooring such that, when a user steps on the proper face of the
 ceramic module of the invention, the module vibrates by constituting a zone that senses the step and
 weight of a user on the module, the module also being activated by the approach of a person, animal,
 or other user.
- The invention contains a capacitive, user presence-sensing device that activates a vibratory device fitted to a part of the ceramic module with vibration, which, when a user steps on or approaches the module of the invention, senses the vibration as a warning system and alerts of approach to a danger zone such as proximity to the rails of an underground station, to stairs, or to others.

DEVELOPMENT STATUS OF THE TECHNOLOGY

Developed and validated in the laboratory.

INDUSTRIAL PROPERTY RIGHTS

National patent with reference number: P201130158

Patent holders:







Ceramic module with vibration for flooring.

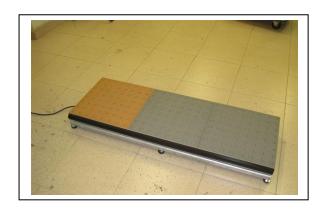
ASOCIACIÓN DE INVESTIGACIÓN DE LAS INDUSTRIAS CERÁMICAS A.I.C.E. (60.0%)
ASOCIACIÓN ESPAÑOLA DE FABRICANTES DE AZULEJOS Y PAVIMENTOS CERÁMICOS (ASCER) (40.0%)

COLLABORATION SOUGHT

Companies interested in the following channels of cooperation are sought:

• Licence agreement of the patent for the implementation and use of the technology.

RELATED IMAGES



CONTACT DETAILS

NAME: Vicente Lázaro

TECHNOLOGY CENTRE: Instituto de Tecnología Cerámica (ITC)

ADDRESS: Campus Riu Sec. Avda. Sos Baynat s/n

POSTCODE / CITY:12006 Castellón (Spain)

T. +34 964 34 24 24 F. +34 964 34 24 25 E-Mail: vlazaro@itc.uji.es Website: http://www.itc.uji.es