ABSTRACT

METHODS FOR LOCATING EITHER AT LEAST ONE SOUND GENERATING OBJECT OR A MICROPHONE USING AUDIO PULSES

In a first aspect, there is provided a method for locating a position of at least one sound generating object using at least one audio pulse, with the at least one audio pulse being detected by a plurality of stationary microphones located at a first position being spaced apart by a pre-determined distance. In a second aspect, there is provided a method for locating a position of a microphone using audio pulses emitted from a plurality of sound generating objects. The at least one audio pulse may preferably be in a form of a logarithmic swept sine (LSS) signal, as the LSS signal is detectable at both low volumes and amidst background noises.

Fig 1