

SENSOR FOR EARLY WARNING OF EARTHQUAKE

ABSTRACT

[0045] The present invention provides a sensor for sensing vibration. The sensor having a container for containing conductive fluid; a ground electrode provided within the container, wherein the ground electrode is in contact with the conductive fluid when the sensor is in an operational; and a sensing electrode adjacent to the ground electrode in space, the sensing electrode is configured to be in a close proximity to the conductive fluid. In operation, the conductive fluid causes electrical conduction between the ground electrode and the sensing electrode when fluid ripples occur and the sensing electrode touches the conductive fluid. The sensor further provides a fluid level detector for triggering an automatic refiller to refill fluid when the fluid level drop below a desired level.

[0046] FIG. 1A for publication.