

(54) Title of the invention : AN INSPECTION SUPPORT SYSTEM FOR BUILDING HIT BY EARTHQUAKE AND METHOD THEREOF

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(57) Abstract :

The present invention discloses an inspection support system for building hit by earthquake and method thereof. The system includes, but not limited to, a switch means controlled by a processing means for gating a voltage signal; actuation means for applying a physical impulse to a structure upon receiving a voltage signal gated by the switch means, wherein the application of a physical impulse to the structure by an actuation means causes the structure to experience an initial force; and first processing means for processing signals so as to monitor and identify disturbances to the structure. Further, the effects of the physical impulse are indicative of the disturbances on the structure, and sensor means for detecting the effects of the physical impulse and producing an analogue signal; second processing means for transforming the analogue signal into a digital signal. Accompanied Drawing [FIG. 1]

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