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(54) Title: VISUAL MODELLING SYSTEM AND METHOD THEREOF

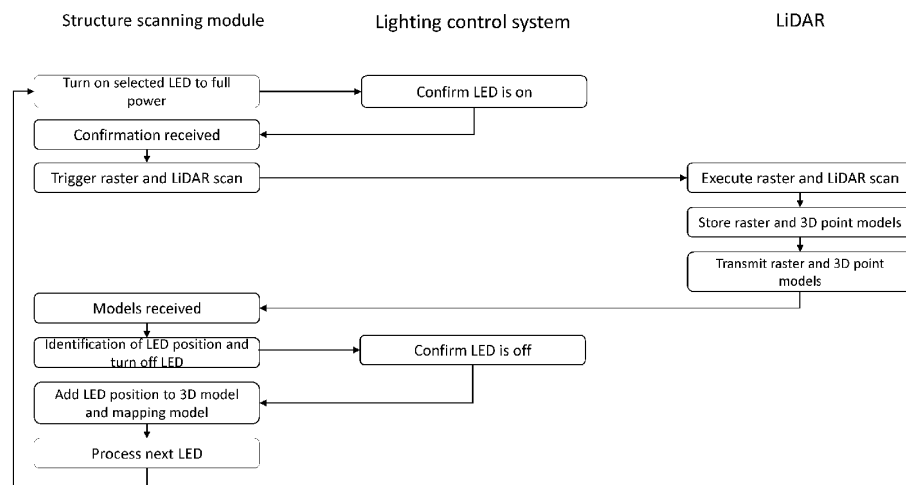


Figure 5

(57) Abstract: The present invention provides a visual modelling system operable for modelling the appearance of a scanned object on a structure (109). The visual modelling system relates via a mapping engine a first scan data set to positionally corresponding lighting elements (410) on the structure (109) as defined in a second dataset. An electronic lighting control system (420) energizes the addressable lighting elements (410) in accordance with the mapping engine relation between the first and second scan data sets to represent the scanned image on the structure. The visual modelling system comprises a structure scanning module (400) operable for generating the second scan data set by building a 3D virtual model of the structure (109) defining the location of the lighting elements and the order they are addressed by the electronic lighting control system.

[Continued on next page]

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