US009384586B1

(12) **United States Patent**
McCusker et al.

(10) **Patent No.: US 9,384,586 B1**
(45) **Date of Patent: Jul. 5, 2016**

(54) **ENHANCED FLIGHT VISION SYSTEM AND METHOD WITH RADAR SENSING AND PILOT MONITORING DISPLAY**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **14/301,199**

(22) Filed: **Jun. 10, 2014**

(51) **Int. Cl.**
G06T 15/20 (2011.01)
G01S 13/95 (2006.01)

(52) **U.S. Cl.**
CPC ***G06T 15/20*** (2013.01); ***G01S 13/953*** (2013.01)

(58) **Field of Classification Search**
None
See application file for complete search history.

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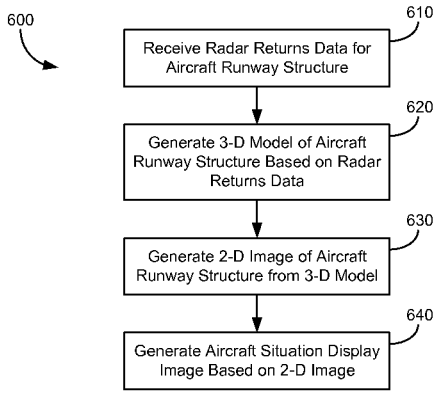
(57) **ABSTRACT**

An image processing system for enhanced flight vision includes a processor and memory coupled to the processor. The memory contains program instructions that, when executed, cause the processor to receive radar returns data for a runway structure, generate a three-dimensional model representative of the runway structure based on the radar returns data, generate a two-dimensional image of the runway structure from the three-dimensional model, and generate an aircraft situation display image representative of the position of the runway structure with respect to an aircraft based on the two-dimensional image.

20 Claims, 4 Drawing Sheets