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(54) **AIRBORNE VISIBILITY INDICATOR SYSTEM AND METHOD**

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(58) **Field of Classification Search** **340/945, 340/963-980; 701/3-14; 342/65, 26**
See application file for complete search history.

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(57) **ABSTRACT**

A system for providing an objective visibility measurement to a flight crew preferably includes a LIDAR system (100), an evaluation unit (150), and a crew interface (200). In at least one embodiment, the system includes the capability of compensating for aircraft turns such that the absolute direction of the visibility reading remains constant through the maneuver. A method for providing an objective visibility reading to a flight crew preferably includes tacking a visibility reading (S820, S920); providing the visibility reading to the flight crew (S830, S930); and notifying the flight crew when the visibility has decreased to and/or less than a minimum visibility threshold (S840).

20 Claims, 8 Drawing Sheets

