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(54) **SYSTEMS AND METHODS FOR IDENTIFYING POSE OF CAMERAS IN A SCENE**

(57) Described herein are systems and methods of determining a pose of a camera within a vehicle scene. In one embodiment, a method (400) includes the initial step (401) of capturing an image of the vehicle scene from the camera. At step (402), reference data indicative of the vehicle scene is loaded, the reference data includes positions and orientations of known features within the vehicle scene. Next, at step (403), the geometric appearance of one or more of the known features is identified within the image. Finally, at step (404), the three dimensional position and orientation of the camera relative to the known features identified in step c) is determined from the geometric appearance, and a pose of the camera within the vehicle scene is calculated.

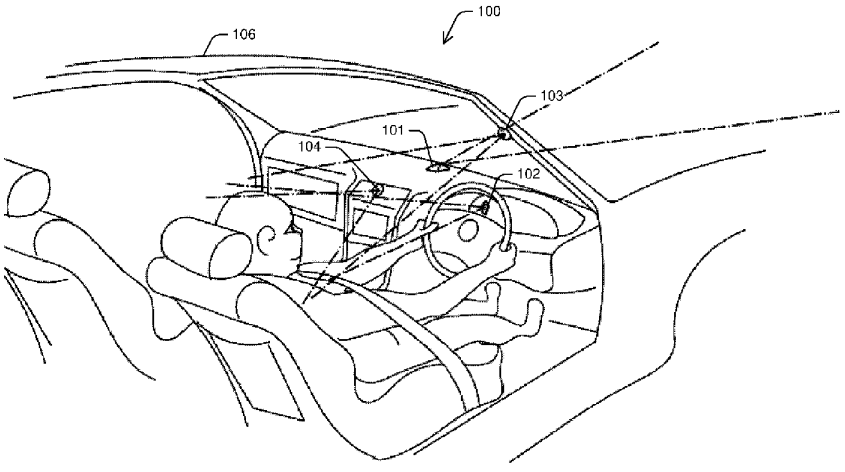

Figure 1

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EUROPEAN SEARCH REPORT

Application Number
EP 24 17 0475

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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TECHNICAL FIELDS SEARCHED (IPC)

G06T
G06V

The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	5 August 2024	Androulidakis, Iosif

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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05-08-2024

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