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(54) Title: METHODS FOR TRACKING A CAMERA BAR, AND RELATED METHODS, SYSTEMS AND COMPUTER PROGRAM PRODUCTS

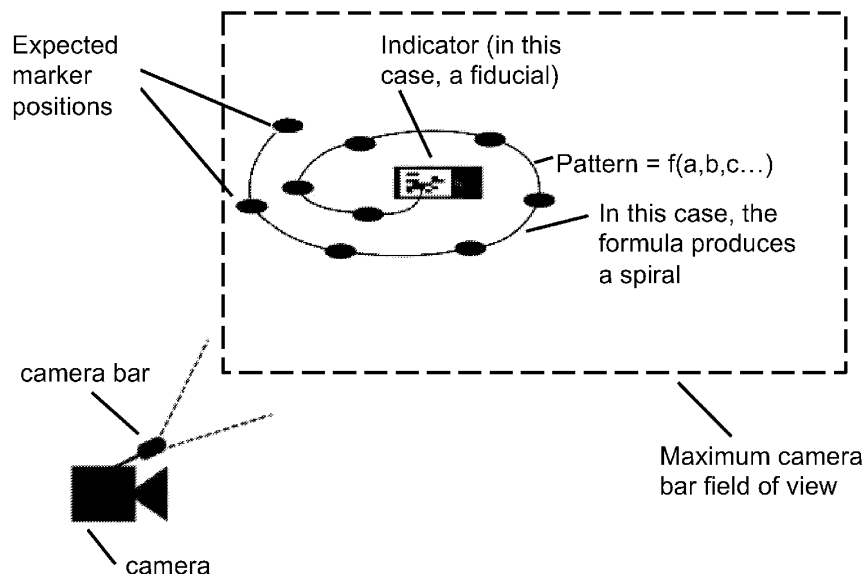


FIGURE 2

(57) Abstract: There is disclosed a method of setting up non-randomly positioned markers in a field of view of a camera bar, and tracking a pose of the camera bar, the method including the steps of: (i) a camera bar viewing a field of view, the camera bar in fixed attachment with a video camera; (ii) displaying the camera bar's view of the field of view on a display of a computer system; (iii) the computer system generating a pattern of non-random marker positions, including positions in the field of view, and displaying the pattern of non-random marker positions in the field of view on the display of the computer system together with the camera bar's view of the field of view; (iv) the computer system detecting in the view of the camera bar, that a marker has been placed in a position of a non-random marker position, generated in step (iii); (v) the computer system recording a marker and a respective position of the marker in the field of view, in response to the computer system detecting in the view of the camera bar, that a marker has been placed

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in a position of a non-random marker position, in step (iv); (vi) repeating steps (iv) and (v) until a predetermined number of different markers and respective marker positions have been recorded; (vii) the computer system matching markers detected in the field of view of the camera bar with the recorded markers and their respective marker positions, to obtain a pose of the camera bar; (viii) repeating step (vii), to track the pose of the camera bar. Related methods, systems and computer program products are disclosed.