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(54) **PHOTOMETRIC CALIBRATION METHOD AND DEVICE**

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

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(57) **ABSTRACT**

A photometric calibration method includes: obtaining a target image and a reference image by a light field camera and transforming the reference image into a revised target image corresponding to the target image; calculating a photometric calibration ratio according to a function for correlating the target image and the revised target image by using a numerical algorithm; and the intensity of the target image is divided by the photometric calibration ratio to obtain a calibrated target image. A light field of a scene is formed by all of the calibrated target image so as to improve the quality of the light field.

20 Claims, 6 Drawing Sheets

