ABSTRACT

Camera for Multiple Perspective Image Capturing

A multiple perspective image camera has a plurality of camera elements 81, and coupling elements 80 for mechanically coupling the camera elements together pairwise, as a "chain". Each camera element 81 generates an image using light rays incident on the camera element 81 in a single respective plane, and the coupling elements 80 maintain the positions of the camera elements 81 such that the planes of the camera elements 81 share a common direction. The image captured by each camera element 81 is elongate in the common direction. The respective elongate images are combined to form a multiple perspective image, successive strips of the output image being derived from the successive camera elements 81. The camera includes a control system for controlling the camera elements 81 to take their respective images simultaneously, and communication paths for extracting the elongate images from the respective camera elements.

[Fig. 6]

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