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This application was filed on 13 - 02 - 2006 as a
divisional application to the application mentioned
under INID code 62.

(54) **Image signal transmitter**

(57) There is provided a transmitter which is capable of compressing incoming image with a relatively small delay time and transmitting the compressed image data to a receiver. In one embodiment the transmitter is part of a rearview driving assisting system for a vehicle. The system is equipped with multiple cameras. After transmission the image data from the cameras are composed, i.e. synthesized at the receiver. Image data (TD) contains at least i pixel values of pixels arranged in line along a single direction, each pixel value being expressed in n bits. A transmitter (Tx) for compressing such image data and transmitting the image data to a receiver (Rx) via a transmission path (N) comprises a blocking section (1),

a data compression section (2), and a data sending section (3). The blocking section (1) takes every p pixel values among the i pixel values in the image data to form a data block, and sequentially outputs a plurality of said data blocks (DB) each including the p pixel values. The data compression section (2) reduces an amount of data from each data block (DB) outputted from the blocking section (1) and thereby outputs a compressed block (CB_r). The data sending section (3) sends the compressed block (CB_r) outputted from the data compression section (2) onto the transmission path (N).

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FIG. 31

