

ABSTRACT

[Problem]

To compress image data at a high speed.

[Solution]

An image compression apparatus 1 comprises an image data acquiring section 141 that acquires image data, a dividing section 143 that divides block data that is a portion of the image data into a plurality of pieces of sub-block data that contains a plurality of pieces of pixel information indicating pixel value of pixel in the image data, and a compressing section 15 that generates compressed sub-block data by compressing the sub-block data and the compressing section 15 comprises an identifying section 151 that identifies a minimum value from the plurality of pieces of pixel information, a subtracting section 152 that subtracts the minimum value from the pixel values of the plurality of pieces of pixel information, and a generating section 153 that generates the compressed sub-block data that contains i) the compressed pixel information in which (a) the pixel value of the valid pixel information, which is pixel information with a pixel value other than the predetermined value, after the minimum value is subtracted by the subtracting section 152 and (b) information that identifies the position of the pixel having the pixel value are associated with each other and ii) the information indicating the minimum value.

[Representative Drawing] FIG. 2