ABSTRACT

A video encoding method and a video decoding method using offset adjustment based on pixel classification of each largest coding unit (LCU). The video encoding method includes determining an offset parameter of each LCU, the offset parameter including an offset type indicating whether a pixel value classification method of a current LCU is an edge type or a band type, an offset class indicating an edge direction or a band range, and an offset value indicating a difference value between reconstructed pixels and original pixels; and outputting offset mergence information indicating whether to adopt an offset parameter of a left or upper LCU of the current LCU as the offset parameter of the current LCU.

FIG. 1A