ABSTRACT

A method of encoding & decoding a digital picture, an apparatus using the same method, and a storage media using the same are provided. The method can encode efficiently each of divided regions having an arbitrary shape, and at the same time, reproduce a region selectively. The digital picture encoding apparatus comprises an input terminal, region division means, region overlaying order determination means, and encoding means. The region division means divides the picture into plural regions having an arbitrary shape, and produces a division map. The region overlaying order determination means receives the division map, and determines the overlaying order of each region according to a predetermined method. Then, the encoding means encodes a luminance signal, a color difference signal and a shape signal of each region according to the overlaying order. Before encoding an objective region, an adjacent part of the shape of the objective region to the upper priority region is changed so that an amount of coded data is minimized.

This Sheet Has Been Replaced



THIS SHEET HAS BEEN REPLACED