

Abstract

A picture is treated as an aggregate of plural objects, and the picture data is processed on an object-oriented basis to be multiplexed. A method of multiplexing data comprises the steps of (1) dividing the picture into a plurality of master objects, and identifying themselves as the master objects;
5 (2) dividing the identified master object into smaller slave objects upon request, and identifying themselves as the slave objects, whereby a hierarchy is formed; (3) packetizing one of the identified master object and the identified slave object into a packet, and assigning a packet number to the packet, and
10 (4) adding the hierarchical details as hierarchical information to the multiplexed data. In addition to this method of multiplexing data, a reproducing method of data multiplexed through this method of multiplexing data, and a data reproducing apparatus using the reproducing method are provided by the present invention.