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ABSTRACT

At transmission of a digital modulated wave between a digital set top box and a digital TV, favorable transmission with little picture quality deterioration and noise is realized without employing a coaxial cable.

A list of frequencies which are judged to be unlikely to cause mutually detrimental disturbance between themselves and the other users who are allowed to use a TV broadcast frequency spectrum by a public institution is distributed from a broadcasting station (103) to a digital modulated wave transmission device (101), and the digital modulated wave transmission device (101) transmits a digital modulated wave to a digital modulated wave reception device (102) through an electric lamp wire (129) on the basis of the frequency list (122).

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