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(54) Title (EN): WIRELESS LAN COMMUNICATION DEVICE AND BEACON TRANSMITTING METHOD

(54) Title (FR): DISPOSITIF DE COMMUNICATION DE RÉSEAU LOCAL SANS FIL ET PROCÉDÉ DE TRANSMISSION DE BALISE

(54) Title (JA): 無線LAN通信装置及びビーコン送信方法

(57) Abstract:

(EN): A wireless LAN communication device is provided for making it possible to set beacons including DTIM information elements not to be synchronous in the case that the timing for generating the beacons including DTIM information elements is the same among access points, so that it is avoidable that only a terminal device under a specific access point among access points using the same channel is subjected to a delay and jitters, while anxiety about mutual interference of the terminal devices is removed in the case of broadcast and multicast service, so that a fair broadcast and multicast service can be received. In the device, a wireless LAN control unit (202) detects beacons of other stations received in a prescribed period of time before the transmission of its own station (200). A beacon analyzing unit (203) analyzes the beacons of the other stations and adjusts transmission intervals of its own DTIM beacon.

(FR): L'invention concerne un dispositif de communication de réseau local sans fil qui permet de régler l'asynchronie des balises comprenant des éléments d'information DTIM lorsque la temporisation de génération des balises comprenant les éléments d'information DTIM est la même parmi les points d'accès, afin d'éviter que seul un dispositif terminal dans un point d'accès spécifique parmi les points d'accès utilisant le même canal soit soumis à un retard et à des gigue, tandis que l'anxiété concernant une interférence mutuelle des dispositifs terminaux est éliminée dans le cas d'un service de diffusion et multidiffusion, de telle sorte qu'un service de diffusion et multidiffusion acceptable puisse être reçu. Dans le dispositif, une unité (202) de commande de réseau local sans fil détecte des balises d'autres stations reçues dans une période de temps prescrite avant la transmission de sa propre station (200). Une unité (203) d'analyse de balise analyse les balises des autres stations et ajuste des intervalles de transmission de sa propre balise DTIM.

(JA): アクセスポイント間でDTIM情報要素を含むビーコンを出すタイミングがほぼ同じ場合は、DTIM情報要素を含むビーコンを同期させないようにすることにより、同一チャネルを用いるアクセスポイント間においても、ある特定のアクセスポイント配下の端末だけが遅延及びジッタが大きくなることを防ぐことができ、ブロードキャスト

ト/マルチキャストサービスの際に、お互いに干渉する恐れをなくするとともに、公平なブロードキャスト/マルチキャストサービスを受けることができる無線LAN通信装置。この装置では、無線LAN制御部(202)は、自局200のビーコンの送信直前の所定時間内に受信した他局のビーコンを検出する。ビーコン解析部(203)は、受信した他局のビーコンを解析して自局のDTIMビーコンの送信間隔を補正する。

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