

Title (en)

IMPROVEMENTS IN OR RELATING TO A METHOD AND APPARATUS FOR DETERMINING SYMBOL TIMING IN A WIRELESS COMMUNICATIONS SYSTEM, ALSO USING A REUSABLE CONTROL CHANNEL, AND REDUCING POWER

Title (de)

VERBESSERUNGEN IN ODER IM BEZUG AUF EIN VERFAHREN UND GERÄT ZUR SYMBOLTAKTBESTIMMUNG IN EINEM DRAHTLOSEN KOMMUNIKATIONSSYSTEM, AUCH UNTER VEWENDUNG EINES KONTROLLKANALS, UND ZUR REDUZIERUNG DES LEISTUNGSVERBRAUCHES

Title (fr)

AMELIORATIONS CONCERNANT UN PROCEDE ET UN APPAREIL PERMETTANT DE DETERMINER LA SYNCHRONISATION DES SYMBOLES DANS UN SYSTEME DE TRANSMISSION SANS FIL, UTILISANT UN CANAL DE COMMANDE REUTILISABLE ET REDUISANT LA PUISSANCE

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Application

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Abstract (en)

[origin: WO9800992A2] A wireless communication system in which a base station communicates with plural mobile stations using a control channel and plural voice (or data) channels, and uses the control channel as a voice channel whenever the other voice channels are in use and a request is received from a mobile station for another voice channel. Also a method and apparatus for reducing power consumed by mobile, wireless units, such as personal communications systems or wireless PBX telephones, by reducing the frequency with which various circuits within the units are fully energized. During on-going voice communications between a base station and a wireless unit, the wireless unit reduces the frequency of its references to a control channel and may eliminate such references altogether. Moreover a method and apparatus for determining the timing of symbols within a multiple symbol telecommunicated message by evaluating signal characteristics in both the preamble and data portions of a message. Samples of a received signal are taken at a periodic basis and a predetermined characteristic of the signal is evaluated for each sample.

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