

Title (en)
HANDOFF METHODS FOR WIRELESS PRIVATE BRANCH EXCHANGE ENABLED FOR STANDARD CELLULAR HANDSETS AND WIRELESS DATA DEVICES

Title (de)
WEITERREICHUNGSVERFAHREN FÜR DRAHTLOSE NEBENSTELLENANLAGE, AKTIVIERT FÜR STANDARD-ZELLULARHANDAPPARATE UND DRAHTLOSE DATENGERÄTE

Title (fr)
PROCEDES DE TRANSFERT RELATIFS AUX AUTOCOMMUTATEURS PRIVES (PBX) SANS FIL ACTIVES POUR DES COMBINES CELLULAIRES CLASSIQUES ET DES DISPOSITIFS DE TRANSMISSION DE DONNEES SANS FIL

Publication
EP 1348259 A4 20080130 (EN)

Application
EP 01998047 A 20011218

Priority
• US 0148463 W 20011218
• US 25695900 P 20001221

Abstract (en)
[origin: WO02058248A2] A method to allow standard cellular handsets and personal data devices that support short-range communication to seamlessly connect to a wireless private branch exchange (WPBX) when it is in its coverage range. Thus the handset will become the handset of the WPBX, and there is no need to use special and expensive handsets with the WPBX. The WPBX includes a plurality of Base Stations, a plurality of gateways - all connected by communication links - and the required communication between them is also described. The operating procedures that the Base Stations and the Switch perform are described. The WPBX allows handoff between cells, when a standard cordless handset is used. The handset does not support connection to more than one Base Station and does not support mobility. The handset uses complicated digital communication methods, so simple handoff methods that only the Switch supports are not sufficient. The handoff operation requires cooperation of switch and Base Station and accurate synchronization of Base Stations.
[origin: WO02058248A2] A method to allow standard cellular handsets (121, 133) and personal data devices that support short-range communication to seamlessly connect to a wireless private branch exchange (WPBX) when it is in its coverage range. Thus the handset will become the handset of the WPBX, and there is no need to use special and expensive handsets with the WPBX. The WPBX includes a plurality of base stations (123, 124, 125), a plurality of switches (129), a plurality of gateways, all connected by communication links, and the required communication between them is also described. The operating procedures that the base stations and the switch perform are described. The WPBX allows handoff between cells, when a standard cordless handset is used. The handset does not support connection to more than one base station and does not support mobility. The handset uses complicated digital communication methods, so simple handoff methods that only the switch supports are not sufficient. The handoff operation requires cooperation of switch and base station and accurate synchronization of base stations.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)
• [A] EP 0594354 A2 19940427 - AMERICAN TELEPHONE & TELEGRAPH [US]
• [A] EP 0805608 A1 19971105 - HEWLETT PACKARD CO [US]
• [A] US 6119006 A 20000912 - SHAFFER SHMUEL [US], et al
• [A] EP 0631451 A2 19941228 - NIPPON TELEGRAPH & TELEPHONE [JP]

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