

Title (en)

METHOD AND APPARATUS FOR PERFORMING HANDOFF IN A CDMA SYSTEM THROUGH THE USE OF REPEATERS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR DURCHFÜHRUNG VON WEITERREICHEN IN EINEM CDMA-SYSTEM UNTER VERWENDUNG VON RELAISSTELLEN

Title (fr)

PROCEDE ET APPAREIL D'EXECUTION DE TRANSFERTS DANS UN SYSTEME AMCR AU MOYEN DE REPETEURS

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9927747A1] A method and apparatus for providing handoff between two communication systems. The systems can be CDMA systems operating at different frequencies or systems employing different technologies. In the first system, a base station (4) is configured to provide communications to two or more sectors, with at least one sector assigned to a corresponding repeater (8) which provides coverage overlapping that of both systems. As the remote station (6) moves into the coverage area of the repeater (8), the pilot signal of the repeater (8) is identified, measured and sent to the first system. If the measured pilot signal is above a predetermined add threshold, the repeater (8) is added to the active set of the remote station. The first system can handoff the remote station (6) to the second system: (1) upon initiation of a soft handoff by the base station of the first system; (2) if the pilot signal strength of the repeater (8), as measured by the remote station (6), exceeds a predetermined handoff threshold; (3) if the base station (4) of the first system is dropped from the active set of the remote station (6); (4) if the repeater of the first system is dropped from the active set of the remote station (6); or (5) if the base station (4) and repeater (8) of the first system are dropped from the active set of the remote station (6).

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