Title (en)
  BOUNDARY SECTOR HARD HANDOFF TRIGGER

Title (de)
  AUSLÖSER VON HARTEM WEITERREICHEN AN DER SEKTORGRENZE

Title (fr)
  DECLENCHEUR DE TRANSFERT INTERCELLULAIRE A SOLUTION DE CONTINUITE DANS LES SECTEURS LIMITROPHES

Publication
  EP 0983694 A4 20020123 (EN)

Application
  EP 98920236 A 19980505

Priority
  • US 9809132 W 19980505
  • US 85859397 A 19970519

Abstract (en)
  [origin: WO9853620A1] A method and system for triggering hard handoff of a call from a CDMA network cell operating on a first frequency to a cell operating on at least one second frequency or in an AMPS network are disclosed. In a departure from the art, a boundary sector handoff trigger is implemented in two stages. The first stage of the trigger occurs when the active set of a mobile unit consists only of pilots identified as boundary pilots; that is, the active set comprises a "boundary active set." Once the requirements for the first stage are satisfied, a second stage of the boundary sector trigger of the present invention is enabled. During the second stage, a round-trip delay ("RTD") of communications between the mobile unit and the BTS to which it is nearest is monitored and once the RTD exceeds a predetermined threshold, the trigger is complete and handoff processing continues with target selection and handoff execution.

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  H04Q 7/00

IPC 8 full level
  H04W 36/14 (2009.01)

CPC (source: EP US)
  H04W 36/32 (2013.01 - EP); H04W 36/14 (2013.01 - EP US)

Citation (search report)
  • [PX] WO 9744969 A2 19971127 - QUALCOMM INC [US]
  • [A] SATARASINGHE P: "A NOVEL METHOD FOR CDMA HARD HANDOFF", COMMUNICATIONS: THE KEY TO GLOBAL PROSPERITY. GLOBECOM 1996. LONDON, NOV. 18 - 22, 1996, GLOBAL TELECOMMUNICATIONS CONFERENCE (GLOBECOM), NEW YORK, IEEE, US, vol. 3, 18 November 1996 (1996-11-18), pages 1766 - 1768, XP000748752, ISBN: 0-7803-3337-3
  • See references of WO 9853620A1

Designated contracting state (EPC)
  DE FR GB

DOCDB simple family (publication)
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DOCDB simple family (application)
  US 9809132 W 19980505; AU 7285598 A 19980505; CA 2290517 A 19980505; CN 98805293 A 19980505; EP 98920236 A 19980505