

Title (en)

METHOD AND APPARATUS FOR RAPID HANDOVER IN A MOBILE RADIO SYSTEM IN THE PRESENCE OF ABRUPT RADIO SIGNAL ATTENUATION

Title (de)

VERFAHREN UND ANORDNUNG ZUR SCHNELLEN WEITERREICHUNG IN EINEM MOBILFUNKSYSTEM IN DER ANWESENHEIT VON ABRUPTER FUNKSIGNALDAMPFUNG

Title (fr)

PROCEDE ET APPAREIL PERMETTANT UN TRANSFERT RAPIDE DANS UN SYSTEME DE RADIOCOMMUNICATION MOBILE EN PRESENCE D'UNE ATTENUATION BRUSQUE DU SIGNAL RADIO

Publication

EP 0760193 A1 19970305 (EN)

Application

EP 95920043 A 19950516

Priority

- EP 9501841 W 19950516
- IT MI941009 A 19940519

Abstract (en)

[origin: WO9532593A1] Procedure and circuit for advance handover in mobile radio systems in the presence of abrupt radio signal attenuation and associated circuit particularly useful in urban microcellular environments. The procedure consists of an appropriate digital filtering of the short-term mean values (approximately 0.5 seconds) of level samples either measured downlink by a mobile apparatus or sent uplink to the serving station. Said filtering is implemented by applying a FIR methodology to the mean input values expressed in dBm. The filtered values are compared with a predetermined threshold, the exceeding of which brings advance emission of a level-caused handover request between the mobile and a preferred adjacent cell (target). When the threshold is not exceeded, the criteria normally provided for handover continue to apply.

IPC 1-7

H04Q 7/38

IPC 8 full level

H04W 36/30 (2009.01); **H04B 1/10** (2006.01)

CPC (source: EP US)

H04W 36/302 (2023.05 - EP US); **H04B 1/1027** (2013.01 - EP)

Designated contracting state (EPC)

DE DK ES FR GB GR IT NL SE

DOCDB simple family (publication)

WO 9532593 A1 19951130; AU 2564595 A 19951218; CN 1152991 A 19970625; EP 0760193 A1 19970305; IT 1269794 B 19970415; IT MI941009 A0 19940519; IT MI941009 A1 19951119; ZA 954052 B 19960119

DOCDB simple family (application)

EP 9501841 W 19950516; AU 2564595 A 19950516; CN 95194168 A 19950516; EP 95920043 A 19950516; IT MI941009 A 19940519; ZA 954052 A 19950518