Title (en)

A METHOD FOR CELL LOAD SHARING IN A CELLULAR MOBILE RADIO COMMUNICATIONS SYSTEM

Title (de)

VERFAHREN ZUR TEILUNG DER ZELLAST IN EINEM ZELLULAREN MOBILEN FUNKKOMMUNIKATIONSSYSTEM

Title (fr)

PROCEDE DE PARTAGE DE CHARGE DE CELLULE DANS UN SYSTEME DE RADIOCOMMUNCIATION CELLULAIRE

Publication

EP 1179274 A1 20020213 (EN)

Application

EP 00931862 A 20000518

Priority

- SE 0000984 W 20000518
- SE 9901846 A 19990521

Abstract (en)

[origin: WO0072618A1] In a method of load sharing between a first cell (C4) and its neighbouring cells (C1, C2, C3, C5, C6, C7) in a cellular mobile radio system, wherein each cell serves a number of mobile stations (1, A, B, C, D), it is determined if the traffic load of said first cell (C4) is higher than a first load threshold (201, 202), and if so, it is determined if the traffic load of the neighbouring cells (C1, C2, C3, C5, C6, C7) is lower than a second load threshold (203). If it is lower, at least a neighbouring cell (C5) having the highest number of mobile stations, associated with said first cell (C4), with a signal strength above a signal strength threshold (204) is selected from the neighbouring cells (C2, C5, C7). The cell coverage of said neighbouring cell (C5) is increased towards said first cell (C4) (205), and the cell coverage of said first cell (C4) is decreased a corresponding amount in a direction from said neighbouring cell (C5) (206).

IPC 1-7

H04Q 7/36; H04Q 7/38

IPC 8 full level

H04W 16/06 (2009.01)

CPC (source: EP)

H04W 16/06 (2013.01); **H04W 36/22** (2013.01)

Citation (search report)

See references of WO 0072618A1

Cited by

CN103813387A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0072618 A1 20001130; AU 4967800 A 20001212; CN 1351806 A 20020529; EP 1179274 A1 20020213; JP 2003500952 A 20030107; SE 515898 C2 20011022; SE 9901846 D0 19990521; SE 9901846 L 20001122

DOCDB simple family (application)

SE 0000984 W 20000518; AU 4967800 A 20000518; CN 00807892 A 20000518; EP 00931862 A 20000518; JP 2000619955 A 20000518; SE 9901846 A 19990521