

Title (en)

LOCATION MANAGEMENT AND PAGING METHOD IN A CELLULAR RADIO SYSTEM

Title (de)

LOKALISIERUNGSMANAGEMENT UND RUFVERFAHREN IN EINEN ZELLULAREN FUNKSYSTEM

Title (fr)

PROCEDE DE GESTION DE LOCALISATION ET DE RECHERCHE DANS UN SYSTEME RADIO CELLULAIRE

Publication

**EP 0976280 A1 20000202 (EN)**

Application

**EP 97927210 A 19970618**

Priority

- FI 9700391 W 19970618
- FI 962645 A 19960626

Abstract (en)

[origin: WO9750274A1] The invention relates to a location management and paging method in a cellular radio system comprising base stations (BTS1-BTS8) transmitting their own base station identity code and neighbouring cell information as base station information on their own broadcast frequencies, and mobile stations (MS) receiving said information for monitoring base stations. In the location management method according to the invention, the contact area of the mobile station (MS) is stored in connection with each network activity and updated when the mobile station (MS) does not receive any identity belonging to the contact area on the broadcast frequency. The paging method according to the invention utilizes the stored contact area and its neighbouring cell information when paging the mobile station (MS). The invention also relates to a cellular radio system and a mobile station implementing the above-described functionality.

IPC 1-7

**H04Q 7/38**

IPC 8 full level

**H04W 68/00** (2009.01); **H04W 68/04** (2009.01)

CPC (source: EP)

**H04W 68/04** (2013.01)

Citation (search report)

See references of WO 9750274A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**WO 9750274 A1 19971231**; AU 3178197 A 19980114; EP 0976280 A1 20000202; FI 103556 B1 19990715; FI 103556 B 19990715; FI 962645 A0 19960626; FI 962645 A 19971227; JP 2000512822 A 20000926

DOCDB simple family (application)

**FI 9700391 W 19970618**; AU 3178197 A 19970618; EP 97927210 A 19970618; FI 962645 A 19960626; JP 50239398 A 19970618