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 (main, further and additional classification)

**H04Q 7/38**

IPC 8 full level (invention and additional information)

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

CPC (invention and additional information)

**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

EPO simple patent family

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INPADOC legal status

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**2006-09-27** [17Q] FIRST EXAMINATION REPORT

- Effective date : 20050315

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- Effective date : 20050315

**2002-03-13** [RAP1] TRANSFER OF RIGHTS OF AN APPLICATION

- Owner name : NOKIA CORPORATION

**2000-02-02** [17P] REQUEST FOR EXAMINATION FILED

- Effective date : 19990105

**2000-02-02** [AK] DESIGNATED CONTRACTING STATES:

- Kind Code of Ref Document : A1
- Designated State(s) : AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE