Title (en)

IMPROVEMENTS IN, OR RELATING TO, MEASURING TRAFFIC INTENSITY IN A DIGITAL MOBILE RADIO TELEPHONY

Title (de)

VERBESSERUNGEN BEZÜGLICH DES MESSENS VON VERKEHRSINTENSITÄT IN EINEM DIGITALEN MOBILFUNKSYSTEM

Title (fr)

AMELIORATIONS APPORTEES A LA MESURE DE L'INTENSITE DU TRAFIC EN RADIOTELEPHONIE MOBILE NUMERIQUE

Publication

EP 1038410 A2 20000927 (EN)

Application

EP 98944382 A 19980910

Priority

- SE 9801610 W 19980910
- SE 9703350 A 19970917

Abstract (en)

[origin: WO9914966A2] A method of measuring traffic intensity in a GSM digital mobile radio telephony system uses a spectrum analyser to measure a radio spectrum for radio emissions from the system. The spectrum analyser employs a rapid frequency sweep so that each channel of said GSM digital mobile radio telephony system is measured during a time period which is less than a GSM time gap. The measurements are performed on the uplink radio transmissions from mobile transceivers. The method can be used to measure traffic intensity in all GSM systems carrying traffic at a given location. The method includes the following steps: setting the frequency analyser to make frequency sweeps over selected GSM channels in a GSM frequency band; setting the frequency analyser's sweep time so that for each GSM channel a signal intensity is measured at a plurality of points during a time interval which is less than one GSM TDMA time gap; and if the signal intensity measured at said plurality of points exceeds a user set threshold value, recording a measured signal as traffic.

IPC 1-7

H04Q 7/34; H04Q 7/36

IPC 8 full level

H04B 17/00 (2006.01); **H04Q 7/34** (2006.01); **H04W 24/00** (2009.01); **H04W 24/08** (2009.01); H04Q 7/36 (2006.01)

CPC (source: EP)

H04W 24/00 (2013.01); **H04W 24/08** (2013.01)

Citation (search report)

See references of WO 9914966A2

Designated contracting state (EPC)

CH DE DK ES FI FR GB IT LI NL SE

DOCDB simple family (publication)

WO 9914966 A2 19990325; **WO 9914966 A3 19990701**; EE 04083 B1 20030616; EE 200000136 A 20010215; EP 1038410 A2 20000927; NO 20001303 D0 20000314; NO 20001303 L 20000515; NO 326767 B1 20090216; SE 517839 C2 20020723; SE 9703350 D0 19970917; SE 9703350 L 19990318

DOCDB simple family (application)

SE 9801610 W 19980910; EE P200000136 A 19980910; EP 98944382 A 19980910; NO 20001303 A 20000314; SE 9703350 A 19970917