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(21) International Application Number: PCT/SG97/00003 (22) International Filing Date: 28 January 1997 (28.01.97) (71) Applicant: SINGAPORE TELECOM MOBILE PTE LTD. [SG/SG]; Comcentre, 31 Exeter Road, Singapore 239732 (SG). (72) Inventors: LIM, Chuen, Kheng; Comcentre, 31 Exeter Road, Singapore 239732 (SG). CHIN, Ivan, Chee, Hoong; Comcentre, 31 Exeter Road, Singapore 239732 (SG). KANG, Aik, Siang; Comcentre, 31 Exeter Road, Singapore 239732 (SG). SI, Cheng, Choon; Comcentre, 31 Exeter Road, Singapore 239732 (SG). (74) Agent: SACHITHANANTHAN, Madelene; Allen & Gledhill, #18-01 City House, 36 Robinson Road, Singapore 068877 (SG).		(81) Designated States: GB, SG Published With international search report.
(54) Title: MEASURING USAGE OF CELLULAR MOBILE TELEPHONES (57) Abstract <p>The mobile phone usage within a specific area is measured so as to identify a potential hotspot for installing a microcellular transmitter. This hotspot measurement is applicable to digital cellular communication systems utilising time division multiple access (TDMA) technology. The hotspot measurements are performed in real time, and the signals transmitted by all mobile phones within a specific area are received by a spectrum analyser. The spectrum analyser is set to zero frequency span, so that the signals are captured in the time domain. The analysis of data is performed after the data collection so as not to reduce the speed of the data collection process. This method provides a more realistic measurement as only the mobile phone users that are utilising the system are considered. By varying the threshold level, the number of mobile phone users within areas of different sizes can be determined.</p>		