



(<http://ipindia.nic.in/index.htm>)



(<http://ipindia.nic>)

Patent Search

Invention Title	ACCESS NETWORK SELECTION SYSTEM, DEVICE, AND METHOD FOR REDUCING SPECIFIC ABSORPTION VALUES FOR CELL PHONES
Publication Number	27/2019
Publication Date	05/07/2019
Publication Type	INA
Application Number	201941026048
Application Filing Date	29/06/2019
Priority Number	
Priority Country	
Priority Date	
Field Of Invention	COMMUNICATION
Classification (IPC)	H04B17/00

Inventor

Name	Address	Country
K.M. KATHICK RAGHUNATH	Researcher, Sardar Patel Rd, Guindy, Chennai, Tamil Nadu - 600025, India	India
DR. R. GAYATHRI	Assistant Professor, Department of ECE, Sona College of Technology, Salem, Tamilnadu - 636005, India.	India
DR. G. SREERAM	Associate Professor, Department of CSE, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur, Andhra Pradesh - 522502, India.	India
DR.RUDRA KALYAN NAYAK	Associate Professor, Department of CSE, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur, Andhra Pradesh - 522502, India.	India
DR. T. V. ANANTHAN	Professor, Computer Science and Engineering Department, Dr. M. G. R Educational and Research Institute, (Deemed to be University), E.V.R. Periyar Highway, Maduravoyal, Chennai, Tamil Nadu - 600095, India.	India
DR. PENDYALA. V. MURALIDHAR	Associate Professor, Department of ECE, Aditya Institute of Technology and Management, Tekkali, Srikakulam, Andhra Pradesh - 532201, India.	India
DR. M. KOTESWARA RAO	Associate Professor, Department of ECE, Sri Vasavi Engineering College, Pedatadepalli, Tadepalligudem, Andhra Pradesh - 534101, India.	India
DR. P. PRIYA	Assistant Professor, Department of ECE, Sona College of Technology, Salem, Tamil Nadu - 636005, India.	India

Applicant

Name	Address	Country
DR. SARAVANAN V	Associate Professor, Department of CSE, Koneru Lakshmaiah Education Foundation, Vaddeswaram, Guntur, Andhra Pradesh - 522502, India.	India
DR. SIVA SHANKAR S	Associate Professor & Head, Department of CSE, KG Reddy, College of Engineering and Technology, Beside Moinabad Police Station, Chilkur Village, Moinabad Moinabad Mandal, Hyderabad, Telangana - 500075, India.	India
DR. PARTHIBAN K	Assistant Professor, Sri Vidyanikethan Engineering College (Autonomous), Tirupati, Andhra Pradesh - 517102, India.	India

Abstract:

An aspect of the present disclosure relates to an access network selection method 300 in a communications network where multiple operators have respective networks each of the respective networks includes multiple access networks. The method includes the steps of determining 302 dynamically a specific absorption rate (SAR) associated with each of the respective networks at a mobile device, and selecting 304 at least one network selected from the respective networks having a lowest SAR replacing a current network being accessed at the mobile device. The at least one network is selected during handoff or when the at least one network having lowest SAR is determined dynamically.

Complete Specification

- Claims:1. An access network selection method in a communications network where multiple operators have respective networks and each of the respective network includes multiple access networks, characterized by comprising the steps of:
- determining dynamically, at a mobile device, a specific absorption rate (SAR) value associated with each of the respective networks;
 - selecting, at the mobile device, at least one network selected from the respective networks having a lowest SAR value by replacing a current network being accessed by the mobile device, wherein the at least one network is selected during handoff or when the at least one network having lowest SAR is determined dynamically.
2. The access network selection method as claimed in claim 1, wherein the at least one network is selected when a quality of service (QoS) being provided by a current network is at least provided by the at least one network.
3. The access network selection method as claimed in claim 2, wherein the at least one network is selected when the QoS being provided by the current network is at least a pre-determined threshold QoS limit of the mobile device.
4. The access network selection method as claimed in claim 1, wherein the lowest SAR value is determined by: $SAR = (s \times E^2)/\rho$, where ρ is a mass density of a human body, E is a root mean square (RMS) of an electric field, and s is the electrical conductivity of the human tissue.

[View Application Status](#)

Terms & conditions (<http://ipindia.gov.in/terms-conditions.htm>) Privacy Policy (<http://ipindia.gov.in/privacy-policy.htm>)

Copyright (<http://ipindia.gov.in/copyright.htm>) Hyperlinking Policy (<http://ipindia.gov.in/hyperlinking-policy.htm>)

Accessibility (<http://ipindia.gov.in/accessibility.htm>) Archive (<http://ipindia.gov.in/archive.htm>) Contact Us (<http://ipindia.gov.in/contact-us.htm>)

Help (<http://ipindia.gov.in/help.htm>)

Content Owned, updated and maintained by Intellectual Property India, All Rights Reserved.

Page last updated on: 21/1/2016