(54) Title of the invention : AN RFID-BASED AND GSM –ENABLED LIBRARY MANAGEMENT SYSTEM

(51) International classification : G08B0013240000, G06K0017000000, G16H0040200000, C12N0015100000, G06Q0050260000	(71)**Name of Applicant :** 1)**Dr. M.Sadik Batcha** Address of Applicant :Professor and Head Department of Library and Information Science Annamalai University , Annamalainagar Cuddalore Pin: 608002 Tamilnadu India ----------- ---- ------- 2)**Dr. S.Aravind** 3)**Dr. Prabhat Singh Rajput** 4)**Dr.R.Kavitha** 5)**Dr.S.S.Devika** 6)**Dr. N. Rajesh** 7)**Dr. V.Vanankamudi** 8)**Dr. B. Asadullah** 9)**Dr.M.Prabakaran** 10)**Mr. Soumendu Roy** 11)**Naveen Chaparwal** **Name of Applicant : NA** **Address of Applicant : NA**
(86) International Application No :NA Filing Date :NA	(72)**Name of Inventor :** 1)**Dr. M.Sadik Batcha** Address of Applicant :Professor and Head Department of Library and Information Science Annamalai University , Annamalainagar Cuddalore Pin: 608002 Tamilnadu India ----------- ---- ------- 2)**Dr. S.Aravind** Address of Applicant :College Librarian & Head Central Library & Department of Library and Information Science. G.T.N. Arts College (Autonomous), Dindigul Pin: 624005 Tamilnadu India ----------- -----------
(87) International Publication No : NA	3)**Dr. Prabhat Singh Rajput** Address of Applicant :Assistant Professor Mohan Lal Sukhadia University, Udaipur, Pin: 313001 Rajasthan, India ----------- -----------
(61) Patent of Addition to Application Number :NA Filing Date :NA	4)**Dr.R.Kavitha** Address of Applicant :Assistant Librarian Mother Teresa Women's University Kodaikanal Dindigul Pin: 624101 Tamilnadu India ----------- -----------
(62) Divisional to Application Number :NA Filing Date :NA	5)**Dr.S.S.Devika** Address of Applicant :Assistant Librarian cum Library In Charge. Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya (SCSVMV), Deemed to be University, Enathur, Kanchipuram Pin: 631561 Tamilnadu India ----------- ----------- 6)**Dr. N. Rajesh** Address of Applicant :Librarian SKSS Arts college, Thiruppanandal, Thanjavur Dt Pin: 612404 Tamil Nadu India ----------- ----------- 7)**Dr. V.Vanankamudi** Address of Applicant :College Librarian (Selection Grade) Arulmigu Palaniandavar College of Arts and Culture, Dindigul Road, Palani Dindigul Pin: 624601 Tamilnadu India ----------- ----------- 8)**Dr. B. Asadullah** Address of Applicant :Librarian Mazharul Uloom College Reddythoupe, Ganghi Nagar Ambur Tirupattur Pin:635802 Tamil Nadu India ----------- ----------- 9)**Dr.M.Prabakaran** Address of Applicant :Librarian Vivekananda College Tiruvedagam West Madurai Pin: 625 234 TamilNadu India ----------- ----------- 10)**Mr. Soumendu Roy** Address of Applicant :Research Scholar, Department of Library and Information Science. University of Gour Banga, Mokdumpur, Malda Pin: 732103 West Bengal India ----------- ----------- 11)**Naveen Chaparwal** Address of Applicant :Librarian Manikya Lal Verma Tribal Research and Training Institute, Udaipur, Pin: 313001 Rajasthan India ----------- -----------

(57) Abstract :

AN RFID-BASED AND GSM –ENABLED LIBRARY MANAGEMENT SYSTEM ABSTRACT: Libraries play a crucial role in human society. The acquisition and retention of knowledge are reliant upon their indispensability. However, the previous library system has resulted in numerous issues. This initiative aims to utilize radio waves for the purpose of identifying a substantial quantity of tagged books. The database provides information about the book's availability within the library, allowing students to search for it and, if it is accessible, retrieve it from the library. The utilization of RFID tags facilitates the efficient management of issuance, renewal, and return processes. Students will receive notifications regarding the deadline for returning books through the use of GSM technology. In the event that the student does not return the book by the designated due date, a fine will be imposed based on the duration of the delay. The RFID EAS system is employed within library settings to facilitate theft detection.

No. of Pages : 11 No. of Claims : 7