पेटेंट कार्यालय
शासकीय जर्नल

OFFICIAL JOURNAL
OF
THE PATENT OFFICE

निर्गमन सं. 05/2022	शुक्रवार	दिनांक: 04/02/2022
ISSUE NO. 05/2022	FRIDAY	DATE: 04/02/2022

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :31/12/2021

(21) Application No.202141062234 A
(43) Publication Date : 04/02/2022

(54) Title of the invention : AUTHENTICATION SYSTEM AND METHOD FOR AUTONOMY-BASED IDENTITY AUTHENTICATION

(51) International classification :H04L0009080000, H04L0029060000, H04L0009320000, H04L0009300000, G06F0021330000
(86) International Application No :PCT//
Filing Date :01/01/1900
(87) International Publication No : NA
(61) Patent of Addition to Application Number :NA
Filing Date :NA
(62) Divisional to Application Number :NA
Filing Date :NA

(71)**Name of Applicant :**
1)CMR Technical Campus
Address of Applicant :CMR Technical Campus, Kandlakoya, Medchal Road, Hyderabad, Telangana - 501401, India. ---------- ----------
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
1)Dr. A. Raji Reddy
Address of Applicant :Professor, Dept. of Mechanical Engineering, CMR Technical Campus, Kandlakoya, Medchal Road, Hyderabad, Telangana - 501401, India. ---------- ----------
2)Dr. K. Srujan Raju
Address of Applicant :Professor, Dept. of CSE, CMR Technical Campus, Kandlakoya, Medchal Road, Hyderabad, Telangana - 501401, India. ---------- ----------
3)Dr. Sudha Aravind
Address of Applicant :Professor, Dept. of ECE, CMR Technical Campus, Kandlakoya, Medchal Road, Hyderabad, Telangana - 501401, India ---------- ----------
4)J. Narasimha Rao
Address of Applicant :Asst. Professor, Dept. of CSE, CMR Technical Campus, Kandlakoya, Medchal Road, Hyderabad, Telangana - 501401, India ---------- ----------
5)Murali Kanthi
Address of Applicant :Asst. Professor, Dept. of CSE (DS), CMR Technical Campus, Kandlakoya, Medchal Road, Hyderabad, Telangana - 501401, India. ---------- ----------

(57) Abstract :
Exemplary embodiments of the present disclosure directed towards a user autonomy-based identity authentication implementation method, comprising: the user defines a user identifier uID, the client generates a self-use key pair by using a key generation tool, including a private key sk and a public key PK, The server defines a seed key identifier seedID and generates a seed key, including a seed private key seedsk and a seed public key seedPK, The user logs in to the server and submits the uID, after the server checks and accepts the uID, the user submits the PK, the server submits the uID submitted to the uID by the seedsk, the private key is used to digitally sign the PK submitted by the client to generate a PKsig (including the signature of the PK and the isk to the PK), and package the uID, seedID, and PKsig.

No. of Pages : 12 No. of Claims : 1