

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 06/2024
ISSUE NO. 06/2024

शुक्रवार
FRIDAY

दिनांक: 09/02/2024
DATE: 09/02/2024

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202441001498 A

(19) INDIA

(22) Date of filing of Application :08/01/2024

(43) Publication Date : 09/02/2024

(54) Title of the invention : ADVANCED USER IDENTIFICATION AND AUTHORIZATION IN MIXED REALITY ENVIRONMENTS

<p>(51) International classification :G06F0003010000, G06F0021320000, G06T0019000000, G06Q0020400000, A61B0005160000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : 1)CMR COLLEGE OF ENGINEERING & TECHNOLOGY Address of Applicant :KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401. Hyderabad -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Mr. K. VENKATESWARA RAO Address of Applicant :Associate Professor Computer Science and Engineering CMR COLLEGE OF ENGINEERING & TECHNOLOGY KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401 Hyderabad -----</p> <p>2)Dr. R. VENKATESWARA REDDY Address of Applicant :Associate Professor Computer Science and Engineering CMR COLLEGE OF ENGINEERING & TECHNOLOGY KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401 Hyderabad -----</p> <p>3)Dr. V. VENKATAIAH Address of Applicant :Associate Professor Computer Science and Engineering CMR COLLEGE OF ENGINEERING & TECHNOLOGY KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401 Hyderabad -----</p> <p>4)Dr. E. GURU MURTHY Address of Applicant :Associate Professor Computer Science and Engineering CMR COLLEGE OF ENGINEERING & TECHNOLOGY KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401 Hyderabad -----</p> <p>5)Dr. M. VIJAYASANTHI Address of Applicant :Associate Professor Computer Science and Engineering CMR COLLEGE OF ENGINEERING & TECHNOLOGY KANDLAKOYA, MEDCHAL ROAD, HYDERABAD, TELANGANA, INDIA, 501401 Hyderabad -----</p>
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(57) Abstract :
 ADVANCED USER IDENTIFICATION AND AUTHORIZATION IN MIXED REALITY ENVIRONMENTS ABSTRACT The invention introduces a sophisticated system for enhancing user interactions within mixed reality settings. Employing a sensor array, the system captures and analyzes biometric data, including facial features, voice patterns, and gestures, to uniquely identify users. The identified users are associated with dynamic authorization profiles stored in a memory system. This allows the authorization module to grant or deny access to specific mixed reality features based on the user's identification and contextual information, such as location and time. The invention promotes a multi-modal approach to user identification, integrating various biometric factors for comprehensive recognition. Furthermore, the system incorporates a secure communication protocol and hierarchical authorization levels, ensuring robust security and flexibility in managing user access within mixed reality environments.

No. of Pages : 16 No. of Claims : 9