

(12) PATENT APPLICATION
PUBLICATION

(21) Application No.202211005508 A

(19) INDIA

(22) Date of filing of Application :01/02/2022 (43) Publication Date : 11/02/2022

(54) Title of the invention : MULTI-LAYERED SECURITY NETWORK
AUTHENTICATION SYSTEM DEVELOPMENT THROUGH BLOCKCHAIN
TECHNOLOGY

<p>(51) International classification :H04L0009320000, H04L0029060000, H04L0009060000, G06F0021640000, G06Q0020060000</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)Dr. Mohammad Faisal Address of Applicant :Associate Professor, Department of Computer Application, Integral University, Lucknow Dasauli, Bas-ha Kursi Road, Lucknow – 226026 -----</p> <p>2)Dr. Halima Sadia 3)Mrs. Nashra Javed 4)Dr. Tasneem Ahmed</p> <p>(72)Name of Inventor : 1)Dr. Mohammad Faisal Address of Applicant :Associate Professor, Department of Computer Application, Integral University, Lucknow Dasauli, Bas-ha Kursi Road, Lucknow – 226026 -----</p> <p>2)Dr. Halima Sadia Address of Applicant :Assistant Professor, Department of Computer Science & Engineering, Integral University, Lucknow, Dasauli, Bas-ha Kursi Road, Lucknow – 226026 -----</p> <p>3)Mrs. Nashra Javed Address of Applicant :Assistant Professor, Department of Computer Application, Integral University, Lucknow Dasauli, Bas-ha Kursi Road, Lucknow – 226026 -----</p> <p>4)Dr. Tasneem Ahmed Address of Applicant :Assistant Professor, Department of Computer Application, Integral University, Lucknow Dasauli, Bas-ha Kursi Road, Lucknow – 226026 -----</p>
---	--

(57) Abstract :

A method for authenticating a chain of custody utilizing blockchain technology, in which

digital evidence or other digital content is acquired and then hashed to produce a hash fingerprint/signature, and then immediately or instantly submitting said hash fingerprint/signature to the blockchain using the blockchain network protocol, forming an immediate verifiable chain of custody without the involvement of a human or the involvement of a trusted third party, is described in detail.

No. of Pages : 20 No. of Claims : 4