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(54) Title of the invention : MULTI SECRET SHARING SCHEME USING ITERATIVE METHOD

<p>(51) International classification :H04L0009080000, H03K0003356200, G09C0005000000, A01B0015060000, G09C0001000000</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 :</p> <p>1)Mr. Harpreet Singh Chawla Address of Applicant :Assistant Professor, Department of Science & Engineering , SCS & A, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>2)Mr. Brajesh Kumar Sharma 3)Mr. Pramod Kumar 4)Mr. Gaurav Kumar Pandey 5)Mr. Rakesh Kumar 6)Dr. Devendra Singh 7)Dr. Abhishek Kumar Mishra 8)Dr. Rakesh Kumar Yadav</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Mr. Harpreet Singh Chawla Address of Applicant :Assistant Professor, Department of Science & Engineering , SCS & A, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>2)Mr. Brajesh Kumar Sharma Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Hindustan College of Science and Technology, Farah, Mathura, Uttar Pradesh, Pin Code: 281122 Farah -----</p> <p>3)Mr. Pramod Kumar Address of Applicant :Assistant Professor, Department of Computer Science and Engineering, Hindustan College of Science and Technology, Farah, Uttar Pradesh, Pin Code: 281122 Farah -----</p> <p>4)Mr. Gaurav Kumar Pandey Address of Applicant :Assistant Professor, Department of Computer Science & Engineering, Hindustan College of Science and Technology, Farah, Mathura, Uttar Pradesh, Pin Code: 281122 Farah -----</p> <p>5)Mr. Rakesh Kumar Address of Applicant :Assistant Professor, Department of Computer science and Engineering, Invertis University, Bareilly, Uttar Pradesh, Pin Code: 243123 Bareilly -----</p> <p>6)Dr. Devendra Singh Address of Applicant :Associate Professor, Department of Science & Engineering , SCS & A, IFTM University, Moradabad Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>7)Dr. Abhishek Kumar Mishra Address of Applicant :Associate Professor, Department of Science & Engineering , SCS & A, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>8)Dr. Rakesh Kumar Yadav Address of Applicant :Assistant Professor, Department of Science & Engineering, SCS & A, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p>
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(57) Abstract :

The present invention relates to a multi-secret sharing scheme using an iterative method (100). The method (100) includes receive (102) m secrete images for applying a (2, n, m) multi secret sharing scheme; encode (106)m secret images; generate (106) n=m+1 share (S1, S2,.....Sm+1) to encode m secret images; distribute (108) n=m+1 share to the m participants; generate (110) qualify set of n=m+1 share; apply (112) OR operation between shares of qualified set of n=m+1 share and source images to reconstruct. The method (100) discloses in the present use for m secret images. The method (100) has random and square shares, so share handling becomes easy. The major advantage method (100) is that it used XOR operation. So alignment problems do not arise at the time of decryption.

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