

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 49/2021
ISSUE NO. 49/2021

शुक्रवार
FRIDAY

दिनांक: 03/12/2021
DATE: 03/12/2021

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202141053276 A

(19) INDIA

(22) Date of filing of Application :19/11/2021

(43) Publication Date : 03/12/2021

(54) Title of the invention : SYSTEM FOR PREVENTING PHISHING ATTACKS AND METHOD EMPLOYED THEREOF

(51) International classification :H04L0029060000, H04L0009080000, H04W0012000000, H04L0009300000, H04L0009320000

(86) International Application No :NA
Filing Date :NA

(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

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(57) Abstract :

Exemplary embodiments of the present disclosure are directed towards a system for preventing phishing attacks, comprising a second computing device comprising an anti-phishing module configured to provide a solution for one or more anti-phishing attacks using a visual cryptography technique, the visual cryptography technique is one of the most secure cryptographic techniques which is used for secret sharing, the secret information is in the form of an Image, the anti-phishing module configured to divide the Image into different shares or transparencies during an encryption process and perform a decryption process by superimposing the shares; the anti-phishing module configured to enable the user to personalize image or string for respective user at any time or during the account creation, the image/string is then divided into two shares using (2,2) VC Scheme, One share is kept on the server and another share is given to the user on the second computing device, the user is rest assure when a cryptogram is displayed during the browsing on the second computing device and after superimposing his share from the second computing device using the anti-phishing module, the user visualize the original selected image/string by him at the time of personalization, the display of the original image/string will assure that the site is not fake and users are protected from phishing. Fig. 1

No. of Pages : 20 No. of Claims : 5