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(71)**Name of Applicant :**
1)Dr.VELAGAPUDI SREENIVAS
Address of Applicant :Department of Information Technology, Sree Vidyanikethan Engineering College, Tirupati-517102, Andhrapradesh, India. Telangana India
(72)**Name of Inventor :**
1)Dr.Velagapudi Sreenivas (India)
2)Dr.S.Satyanarayana (India)
3)V.S.V.S.S.S.M.Chakradhar (India)

(57) Abstract :
Exemplary embodiments of the present disclosure are directed towards a system and method for strengthening security of cloud data. The system includes a plurality of client devices and a plurality of organization devices, wherein the plurality of client devices and the plurality of organization devices are connected through a plurality of virtual data centers. The system further includes a hardware security module configured for strengthening security of the data and uploading the strengthened data in the plurality of virtual data centers, wherein the hardware security module comprises of at least one data encryption standard logic (DES), at least one rivest -Shamir-adleman logic (RSA), at least one secure hash logic (SH), and at least message digest logic (MD) for strengthening data.

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