

(54) Title of the invention : PROVIDING PRIVACY AND SECURITY FOR NITIZENS DATABASE USING BLOCKCHAIN

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(57) Abstract :
 Abstract of the Invention: As the Nitizens database is important for the nation as a whole, its security and privacy will play an important role, Block chain will help in maintain the security and privacy of the data stored in database and also helps in sharing the data with multiple agencies while maintaining the security and privacy. Here we have designed a framework which is used by various agencies and organization for recording the transactions which are happening at their level. The overall concept is to see that a person born should write his/her name only once and should also get a security number similar to aadhar number. So that all the happening in the life of citizen are recorded and are store in a secured manner. These records will be made available to multiple agencies and organizations for further recording of details. As multiple agencies are going to have an interface with the records, it is very important that these records are stored on digitally distributed database which will work as a centralized distributed ledger. The framework designed to store the data pertaining to the nitizens will make use of blockchain for maintaining the security and privacy of the data. Which will help in storing, accessing and generating reports on the required information from time to time. The designed framework will help to provide access to the data stored to various organizations. Which can be government and non-government organizations. The process time for any type of task will reduce when the information is made handy for the organizations. The designed framework will make use of an algorithm for generation of security number for the nitizen, which will be used to store and access the information. The number generated will help in identification of the location of the person. As the Nitizens database is important for the nation as a whole, its security and privacy will play an important role, Block chain will help in maintain the security and privacy of the data stored in database and also helps in sharing the data with multiple agencies while maintaining the security and privacy. Here we have designed a framework which is used by various agencies and organization for recording the transactions which are happening at their level. The database is recorded with the details of the citizen when he/she is born and from this point till the citizen exists on the earth all the transactions are recorded. The citizen details when recorded on block chain database, we refer the citizen as Nitizen. The concept is to see that a person born should write his/her name only once and should also get a security number similar to aadhar number. So that all the happening in the life of citizen are recorded and are store in a secured manner. These records will be made available to multiple agencies and organizations for further recording of details. As multiple agencies are going to have an interface with the records, it is very important that these records are stored on digitally distributed database which will work as a centralized distributed ledger.