

Title (en)  
METHOD OF IDENTIFICATION OF PRODUCTS OR OBJECTS

Title (de)  
VERFAHREN ZUR IDENTIFIZIERUNG VON PRODUKTEN ODER GEGENSTÄNDEN

Title (fr)  
PROCÉDÉ D'IDENTIFICATION DE PRODUITS OU D'OBJETS

Publication  
**EP 4165827 A1 20230419 (EN)**

Application  
**EP 21944409 A 20211008**

Priority  
• SK 500422021 A 20210823  
• SK 2021050013 W 20211008

Abstract (en)  
[origin: WO2023027646A1] An alphanumeric code with a variable string is issued for the product in the input block, which when inserted into the access panel where certificate requests are entered, allows the user access to the required actions, while the input block is equipped with WLAN and WIFI connections, and the system is equipped with LCD a display for displaying information, then the data entered into the input block is connected with the unique data of the user card and sent to the blockchain and subsequently are registered and certified as a database key, where this data is then transformed into an encrypted alphanumeric string that is identified as a hardware key that consists of a specific security code and its characteristics consist of variable strings, then the same hardware key is inserted into a password-protected security folder in a hardware system that allows this hardware system to be recognized, whereby this hardware key cannot be read or copied, then the blockchain receives a request from the user by means of the hardware system and generates the sent key coming from the protected hardware key chain to obtain the access key of the private key in the final phase, then at the time of the request made by means of the access block, the system requests by means of the input panel to enter the personal identification code assigned to the user, then this identification code is checked in the waiting block to allow access and generate a private key to gain access to the inspection block, then the blockchain automatically acquires database keys from its databases and on its backups and then decodes them, to check the validity of the sent key, which the hardware system constantly sends, all checks are performed in the inspection block, where all the data needed for final verification is located. the validation of the communication immediately generates a private key and sends it to the hardware system, which will be used by the user to access the certificate creation services, then the private key generated in symbiosis between the hardware system and the blockchain is inserted into certificates, which are generated only in the presence of a verified private key, whereby this certificate access security system being enabled by the presence of a security hardware system that uniquely verifies who generates the certificates, which makes it impossible to perform this operation without the use of security hardware and user identification.

IPC 8 full level  
**H04L 9/32** (2006.01)

CPC (source: EP)  
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Designated contracting state (EPC)  
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BA ME

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