

United States of America

United States Patent and Trademark Office

ARQIT QUANTUM BLOCKCHAIN

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Int. Cl.: 9, 36, 38, 42

Service Mark

Trademark

Principal Register

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UNITED KINGDOM

CLASS 9: Computer hardware for telecommunications; telecommunications apparatus and instruments, namely, computer hardware for telecommunications; telecommunications apparatus in the nature of computer hardware for use with mobile networks; telecommunications devices in the nature of computer hardware; telecommunications equipment in the nature of computer hardware; telecommunications instruments in the nature of computer hardware; telecommunications networks apparatus in the nature of computer hardware; downloadable telecommunications software for encrypting quantum information; security token hardware; downloadable software for encrypting information for ensuring the security of electronic mail; downloadable software for encrypting information for network and device security; downloadable encryption software; downloadable computer software for encryption; data encryption apparatus in the nature of computer hardware; encryption keys, namely, electronic encryption units; cloud servers, namely, computer servers; downloadable cloud server software for use in encryption and telecommunications; downloadable cloud computing software for use in encryption and telecommunications; downloadable cloud network monitoring software; downloadable mobile application software for cloud computing services for use in encryption and telecommunications; quantum computers; downloadable cryptography software; downloadable software for ensuring the security of electronic data; downloadable computer software for blockchain technology for managing and verifying cryptocurrency transactions on a blockchain; downloadable computer software for currency authentication; currency authentication apparatus and equipment, namely, apparatus for checking the authenticity of banknotes; downloadable software for use with cryptocurrency and digital-currencies for managing and verifying cryptocurrency transactions on a blockchain; downloadable computer software for use as a cryptocurrency wallet; downloadable payment and e-payment software for managing electronic payment transactions using distributed ledger technology (DLT); electronic apparatus for payment processing, namely, multi-functional electronic payment terminals; none of the aforementioned being data storage, back up, recovery and archiving solutions; none of the aforesaid goods being data diodes for the purposes of encryption

CLASS 36: Financial services, namely, electronic transfer of crypto assets; financial transactions via blockchain, namely, cryptocurrency exchange services featuring blockchain technology; virtual currency services, namely, electronic transfer of virtual currencies; virtual currency transfer and exchange services; secure currency transfer and exchange services; crypto- and digital-currency, namely, cryptocurrency exchange services; electronic payment services involving electronic processing and subsequent transmission of bill payment data; payment processing services in the field of credit card, tax, and insurance payments; secure and encrypted payment processing services in the field of credit card, tax, and insurance payments; automated payment services, namely, bill payment services; electronic wallet payment services, namely, bill payment

Coke Moya Smead

Acting Director of the United States Patent and Trademark Office



services provided via an electronic wallet; clearing services for payment transactions, namely, Automated Clearing House (ACH) transaction processing services; none of the aforementioned being data storage, back up, recovery and archiving solutions; providing information, advice and consultancy relating to all the aforesaid services; none of the aforesaid services involving the use of data diodes for the purposes of encryption * ; none of the aforesaid services involving the use of data diodes for the purposes of encryption *

CLASS 38: Communication of data by means of telecommunications, namely, data communication by electronic mail; electronic data transmission services over telecommunications networks; fibre optic telecommunications services, namely, providing fiber optic network services; mobile telecommunications services, namely, mobile telephony; telecommunications, namely, providing access to telecommunication networks; telecommunications in the nature of transmission of data and information by computer terminals, via telematics, satellites, radios, telegraphs, telephones; telecommunications consultancy; telecommunications gateway services; telecommunications gateway services between computer networks; telecommunications gateway services by satellite; telecommunications services for providing access to computer databases; telecommunications gateway services for the distribution of data; telecommunications gateway services provided via fiber optic, wireless and cable networks; telecommunications gateway services provided via the internet, intranet and extranet; telecommunications services, namely, personal communication services; transfer of data by telecommunications; electronic transmission of encrypted communications; distribution of secure communications, namely, providing electronic transmission of secure e-mail; transmission of encrypted communications using quantum optic satellites, namely, satellite communication services; secure transmission of encryption keys, namely, electronic transmission of data featuring encryption and decryption; providing users with secure access to data via the internet, namely, internet access provider services; none of the aforementioned being data storage, back up, recovery and archiving solutions; providing information, advice and consultancy relating to all the aforesaid services; none of the aforesaid services involving the use of data diodes for the purposes of encryption * ; none of the aforesaid services involving the use of data diodes for the purposes of encryption *

CLASS 42: Authentication services of data transmitted via telecommunications, namely, authentication of data in the field of quantum information using blockchain technology; authentication services of messages transmitted via telecommunications, namely, authentication of data in the field of quantum information using blockchain technology; authentication services of electronic payments transmitted via telecommunications, namely, authentication of electronic payments in the field of quantum information using blockchain technology; telecommunications engineering; computer programming services for electronic data security; computer security services in the nature of administering digital keys for protection against illegal network access; data security services being data encryption services; design and development of Internet security programs; IT security services in the nature of encryption and recovery of computer data; provision of security services being data encryption services for computer networks, computer access and computerised transactions; encryption, decryption and authentication of information, messages and data; data encryption and decoding services; data encryption services; cryptography services, namely, data encryption services; cloud computing featuring software for use in encryption and telecommunications; computer services, namely, cloud hosting provider services; design and development of operating software for cloud computing networks; quantum computing services, namely, consulting services in the field of quantum computing; computer security threat analysis for protecting data; design and development of electronic data security systems; data decryption services; design, development and testing of computing methods, algorithms and software in the field of encryption and telecommunications; design and development of quantum algorithms, namely, design and development of computer software; computer engineering, namely, computer-aided engineering services for others, technology advisory services related to computer

engineering; software engineering services; software engineering services relating to data processing; data authentication via blockchain, namely, authentication of data in the field of financial transactions and telecommunications using blockchain technology; certification of data via blockchain, namely, authentication of data in the field of financial transactions and telecommunications using blockchain technology; blockchain as a service, namely, providing user authentication services using blockchain-based software technology for cryptocurrency transactions; software as a service (SAAS) services featuring software relating to cryptocurrency and digital currencies for encryption and telecommunications; none of the aforementioned being data storage, back up, recovery and archiving solutions; providing information, advice and consultancy relating to all the aforesaid services; none of the aforesaid services involving the use of data diodes for the purposes of encryption * ; none of the aforesaid services involving the use of data diodes for the purposes of encryption *

THE MARK CONSISTS OF STANDARD CHARACTERS WITHOUT CLAIM TO ANY PARTICULAR FONT STYLE, SIZE OR COLOR

PRIORITY DATE OF 06-17-2021 IS CLAIMED

OWNER OF INTERNATIONAL REGISTRATION 1656407 DATED 12-17-2021, EXPIRES 12-17-2031

No claim is made to the exclusive right to use the following apart from the mark as shown: "QUANTUM BLOCKCHAIN"

SER. NO. 79-338,365, FILED 12-17-2021

REQUIREMENTS TO MAINTAIN YOUR FEDERAL TRADEMARK REGISTRATION

WARNING: YOUR REGISTRATION WILL BE CANCELLED IF YOU DO NOT FILE THE DOCUMENTS BELOW DURING THE SPECIFIED TIME PERIODS.

Requirements in the First Ten Years*

What and When to File:

- **First Filing Deadline:** You must file a Declaration of Use (or Excusable Nonuse) between the 5th and 6th years after the registration date. See 15 U.S.C. §§1058, 1141k. If the declaration is accepted, the registration will continue in force for the remainder of the ten-year period, calculated from the registration date, unless cancelled by an order of the Commissioner for Trademarks or a federal court.
- **Second Filing Deadline:** You must file a Declaration of Use (or Excusable Nonuse) and an Application for Renewal between the 9th and 10th years after the registration date.* See 15 U.S.C. §1059.

Requirements in Successive Ten-Year Periods*

What and When to File:

- You must file a Declaration of Use (or Excusable Nonuse) and an Application for Renewal between every 9th and 10th-year period, calculated from the registration date.*

Grace Period Filings*

The above documents will be accepted as timely if filed within six months after the deadlines listed above with the payment of an additional fee.

***ATTENTION MADRID PROTOCOL REGISTRANTS:** The holder of an international registration with an extension of protection to the United States under the Madrid Protocol must timely file the Declarations of Use (or Excusable Nonuse) referenced above directly with the United States Patent and Trademark Office (USPTO). The time periods for filing are based on the U.S. registration date (not the international registration date). The deadlines and grace periods for the Declarations of Use (or Excusable Nonuse) are identical to those for nationally issued registrations. See 15 U.S.C. §§1058, 1141k. However, owners of international registrations do not file renewal applications at the USPTO. Instead, the holder must file a renewal of the underlying international registration at the International Bureau of the World Intellectual Property Organization, under Article 7 of the Madrid Protocol, before the expiration of each ten-year term of protection, calculated from the date of the international registration. See 15 U.S.C. §1141j. For more information and renewal forms for the international registration, see <http://www.wipo.int/madrid/en/>.

NOTE: Fees and requirements for maintaining registrations are subject to change. Please check the USPTO website for further information. With the exception of renewal applications for registered extensions of protection, you can file the registration maintenance documents referenced above online at <http://www.uspto.gov>.

NOTE: A courtesy e-mail reminder of USPTO maintenance filing deadlines will be sent to trademark owners/holders who authorize e-mail communication and maintain a current e-mail address with the USPTO. To ensure that e-mail is authorized and your address is current, please use the Trademark Electronic Application System (TEAS) Correspondence Address and Change of Owner Address Forms available at <http://www.uspto.gov>.