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Patent Search

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Abstract:

The present invention relates to the field of AI based system for providing a multibranching blockchain. The invention more particularly relates to an AI based system for providing a multibranching blockchain with configurable protocol rules, comprises: a processor; a memory for storing computer readable instructions; a blockchain; plurality of a database; a cloud; a controller; a fork block; and wherein any existing branching blockchain is configured to propagate one or more additional branching blockchain each of said branching blockchains has a fork block from which said one or more branching blockchains can grow in multiple directions thereby forming a multi-dimensional database known as a slidechain. Accompanied Drawing [FIG. 1]

Complete Specification

Description:[001] The present invention relates to the field of AI based system for providing a multibranching blockchain. The invention more particularly relates to an AI based system for providing a multibranching blockchain with configurable protocol rules.

BACKGROUND OF THE INVENTION

[002] The following description provides the information that may be useful in understanding the present invention. It is not an admission that any of the information provided herein is prior art or relevant to the presently claimed invention, or that any publication specifically or implicitly referenced is prior art.

[003] Most people associate blockchain with Bitcoin, the widely-used cryptocurrency platform. Each block in the chain includes a mathematical summary, or hash, of the prior block, creating a chronological record of data deposits, messages, or transactions. This establishes a chain in which each modified block necessitates a new hash to be computed and appended to the chain. As a result, the hash of the following block must be recalculated, and so on, all the way to the conclusion of the chain.

[004] The mathematical summary, or hash, is easy to calculate, but there are regulations that stipulate it must be less than a predetermined value. To top it all off, the hash is based on a non-reversible form of mathematics; you can never know what data will lead to the desired result. To find a hash that satisfies the validity requirements, the block is iterated over multiple times while a variable value is adjusted, and the hash is recalculated after each change. The nonce is the term for the variable value. The difficulty of finding a nonce that results in a valid hash of the block is greatly increased by the randomness of the hash. In order to find a hash that is legitimate, it is customary to try billions of different nonces. It is computationally difficult, but not impossible, to alter the value of data already stored in the blockchain.

[005] The data stored in a blockchain on a distributed network with tight enough constraints for establishing valid blocks is fairly safe against tampering. Since this is the case, blockchains are ideal for keeping track of monetary dealings. Yet, there are significant flaws in the currently deployed blockchains. The first problem is that on

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Application Details

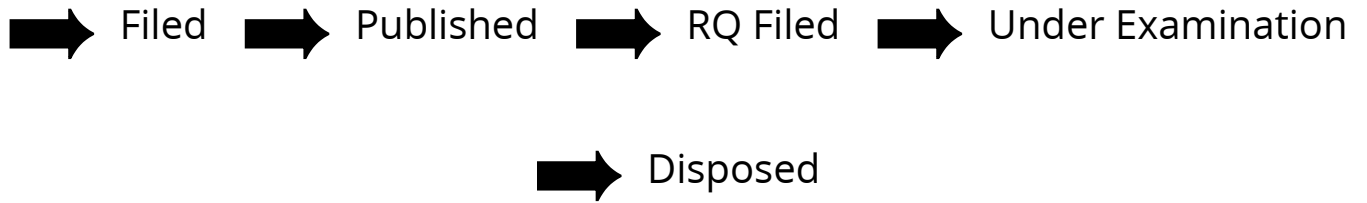
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