Independent Claim 3 (Method Claim – Trading)
A computer-implemented method for trading a value token representing a verified Real World Asset (RWA) on a blockchain-based exchange, the method comprising:
receiving the value token recorded on a blockchain;
listing the token on a trading platform that functions as a commodity, crypto, security, or financial exchange;
processing buyer bids using market orders, limit orders, options, forwards, futures, swaps, or similar instruments;
executing a matching trade, with the blockchain automatically recording the transaction, transferring ownership of the token to the buyer, and sending payment to the seller; and
maintaining all records immutably on the blockchain for verification and audit.

Dependent Claims for Independent Claim 3
The following is a complete set of dependent claims (Claims 2–21) that further specify and narrow the computer-implemented method of Independent Claim 3. Each dependent claim is fully supported by the disclosures in the attached document (Patent Filing Highlights US20200027096A1.docx), including the detailed descriptions of the blockchain-based trading platform, order processing (market, limit, options, forwards, futures, swaps, pre-market contracts), advanced order types (short selling, trailing stops, OTO, OCO, OTOCO), time-in-force rules, automated matching/execution/settlement, real-time or near real-time ownership transfer and payment, immutable recording as new cryptographically linked blocks, fraud reduction, permanent verification and auditability, integration with previously minted value tokens, redundant ledger copies for fault tolerance, elimination of intermediaries, and the overall tokenized RWA trading architecture as of the November 7, 2017 priority date.

Full Claim Set in Formal USPTO-Style Format (Reordered to Start with Claim 1)

1. A computer-implemented method for trading a value token representing a verified Real World Asset (RWA) on a blockchain-based exchange, the method comprising: receiving the value token recorded on a blockchain; listing the token on a trading platform that functions as a commodity, crypto, security, or financial exchange; processing buyer bids using market orders, limit orders, options, forwards, futures, swaps, or similar instruments; executing a matching trade, with the blockchain automatically recording the transaction, transferring ownership of the token to the buyer, and sending payment to the seller; and maintaining all records immutably on the blockchain for verification and audit.
2. The method of claim 1, wherein receiving the value token comprises receiving a value token previously created and recorded as an immutable digital asset from IoT-sourced validated data on the blockchain ledger.
3. The method of claim 1, wherein listing the token comprises listing the value token on a blockchain-based trading platform that functions as an integrated commodity, crypto, security, or financial exchange without requiring separate centralized custodians or clearinghouses.
4. The method of claim 1, wherein processing buyer bids further comprises executing market orders at the next available price.

5. The method of claim 1, wherein processing buyer bids includes processing one or more of limit orders, options, forwards, futures, swaps, or pre-market contracts.
6. The method of claim 1, wherein the blockchain-based trading platform further supports advanced order types selected from the group consisting of short selling, trailing stop orders, conditional orders, One-Triggers-the-Other (OTO) orders, One-Cancels-the-Other (OCO) orders, One-Triggers-a-One-Cancels-the-Other (OTOCO) orders, and combinations thereof.
7. The method of claim 1, wherein processing buyer bids further comprises applying time-in-force rules to orders, the time-in-force rules selected from the group consisting of day orders, good-'til-canceled orders (up to 180 days), fill-or-kill orders, immediate-or-cancel orders, on-the-open orders, on-the-close orders, and combinations thereof.
8. The method of claim 1, wherein executing a matching trade is performed automatically by the trading platform upon satisfaction of the order conditions specified in the buyer bids.
9. The method of claim 1, wherein the blockchain automatically records the executed transaction as a new cryptographically linked block on the distributed ledger.
10. The method of claim 1, wherein transferring ownership of the value token to the buyer and sending payment to the seller occurs in real time or near real time upon execution of the matching trade.
11. The method of claim 1, wherein maintaining all records immutably further comprises employing cryptographic hashing of each new block to prior blocks to ensure permanent auditability and fraud reduction.
12. The method of claim 1, wherein the method provides permanent verification of the tokenized RWA through immutable ledger recording of the entire trading transaction, including the value token, buyer bid, matching trade, ownership transfer, and payment.
13. The method of claim 1, further comprising automated monetization by delivering the value token to the buyer while simultaneously transferring funds to the seller upon execution of the matching trade.
14. The method of claim 1, wherein the method operates in a closed-loop automated process from receipt of the value token through trade settlement on the integrated blockchain-based trading platform.
15. The method of claim 1, wherein the blockchain-based trading platform maintains multiple redundant copies of the distributed ledger across cloud environments to provide fault tolerance and Byzantine fault tolerance during trading operations.
16. The method of claim 1, wherein the method supports high-frequency, derivative, and institutional trading of tokenized RWAs on the blockchain-based exchange.
17. The method of claim 1, further comprising integrating the trading method with prior IoT-driven token creation steps so that the value token received on the blockchain is directly traceable to validated real-world asset data.
18. The method of claim 1, wherein the method eliminates intermediaries by handling listing, order processing, matching, execution, immutable recording, ownership transfer, and payment settlement entirely on the blockchain.
19. The method of claim 1, wherein all steps of the method are performed without exposing the tokenized RWA to off-chain settlement or centralized clearing processes.

20. The method of claim 1, wherein the blockchain-based trading platform enables scalable, fraud-resistant trading of tokenized RWAs at industrial scale by combining immutable ledger recording with automated real-time execution and settlement.
21. The method of claim 1, wherein the method provides end-to-end auditability of every tokenized RWA trade through permanent, cryptographically linked records on the distributed ledger.

These claims form a self-contained, commercially robust claim family that directly maps to the computer-implemented method for trading verified Real World Asset (RWA) value tokens on an integrated blockchain-based exchange, including order processing, automated execution, real-time settlement, and immutable recording as described in the November 7, 2017 provisional disclosure. The full set (renumbered to begin with Claim 1) can be incorporated into a non-provisional, continuation, or continuation-in-part application (alone or in combination with the claim families of Independent Claims 1 and 2) to further strengthen the Parisii patent portfolio for tokenized Real World Assets and blockchain-based RWA trading infrastructure.