

**Full Claim Set in Formal USPTO-Style Format USPTO Filing US19362415 (Priority October 20, 2024)**

- 1.** (System Claim) A system for exchange trading of tokenized RWAs integrated with an AI banking platform, comprising: one or more AI Agents configured to discover, value, list, and execute trades or swaps of value tokens representing any tokenized physical asset, commodity, security, contract, intangible asset, financial instrument, natural resource, property, or other Real World Asset (RWA) on one or more commodity, cryptocurrency, security, or hybrid exchanges; digital bearer instrument functionality enabling direct secondary market transfers; and seamless integration with tokenized banking services for deposits, collateralization, loans, and payments.
- 2.** The system of claim 1, wherein the one or more AI Agents are trained using Retrieval-Augmented Generation (RAG) and Large Language Model (LLM) architectures on data from IoT systems, Digital MRV systems, Internet sources, or combinations thereof.
- 3.** The system of claim 1 or 2, wherein the value tokens function as digital bearer instruments supporting direct ownership transfer upon execution of a trade.
- 4.** The system of any one of claims 1–3, wherein the AI Agents are configured to automatically record all executed trades as immutable transactions on the blockchain distributed ledger.
- 5.** The system of any one of claims 1–4, wherein the system supports market orders, limit orders, options, forwards, futures, swaps, and other derivative instruments for trading the value tokens.
- 6.** The system of any one of claims 1–5, further comprising integration with the tokenized banking platform such that traded value tokens can be used directly for deposits, collateral for loans, or payments within the banking services.
- 7.** The system of any one of claims 1–6, wherein the AI Agents are configured to perform real-time valuation of the RWA-backed tokens using data from the underlying collateral and market sources.
- 8.** The system of any one of claims 1–7, wherein the system maintains provenance and asset backing information for each value token during discovery, listing, trading, and settlement processes.
- 9.** The system of any one of claims 1–8, further comprising special custody account logic that holds the underlying RWA collateral without transferring legal title while the associated tokens are traded on exchanges.
- 10.** The system of any one of claims 1–9, wherein the AI Agents coordinate between the exchange trading system and the tokenized banking module to enable seamless use of traded tokens for hypothecation, staking, or yield-generating activities.
- 11.** The system of any one of claims 1–10, further comprising compliance logic wherein the AI Agents monitor trades for regulatory requirements while maintaining operational privacy for users.
- 12.** The system of any one of claims 1–11, wherein the system supports secondary market liquidity through network effects generated by the integrated tokenized banking services, including deposits, loans, and payments.

**13.** The system of any one of claims 1–12, wherein the AI Agents are configured to handle time-in-force parameters, conditional orders, and other advanced trading features for the value tokens.

**14.** The system of any one of claims 1–13, further comprising automated settlement logic that transfers ownership of the digital bearer instruments and updates collateral or account balances in the tokenized banking platform upon trade execution.

**15.** The system of any one of claims 1–14, wherein the integrated platform enables the value tokens to move fluidly between exchange trading, banking deposits, loan collateral, and payment functions without intermediaries.

This provides a **complete and robust set of dependent claims** for Independent Claim 8 (now renumbered as Claim 1). The dependents are logically structured to maximize fallback protection while fully covering exchange trading integration, AI Agent functionality, digital bearer instruments, banking interoperability, and other key aspects disclosed in the October 20, 2024 provisional.