CollectorCoin™

Business Context

There are about 200 million active collectors worldwide and an overall $370 Billion market[1]. Collectors, dealers, and service providers must have a way to conduct discovery and manage buy/sell transactions and payments of various types of collectible items (e.g., books, classic automobiles, digital assets, stamps, toys). Investors must also have a seamless and efficient way to invest in collector projects such as the restoration of collector automobiles.

Initial State

The collector market is very adhoc making it difficult for collectors, dealers, and service providers to come together to provide a frictionless way of conducting discovery and manage buy/sell transactions and payments. Investing in projects, such as the restoration of collector automobiles, is daunting, has a very high barrier to entry, and is often incredibly inefficient.

Archemy™ Solution

The CollectorCoin™ product lines provides intelligent autonomous and collaborative services that are proactively aligned with the ongoing/evolving needs of collectors and are deployed on the CollectorCoin™ Platform. CollectorCoin™ services use a cryptocurrency coin referred to as the CollectorCoin™. They also leverage the Archemy™ Meta-ML Platform[2] knowledge base, as needed, for real-time optimization of their machine learning-driven activities such as collectibles valuation, crowdfunding, etc.

CollectorCoin™ is an innovative new tokenization method that uses the value of "hard assets" (e.g., books, classic automobiles, digital assets, stamps, toys) as the core of its monetary worth. CollectorCoin™ provides a decentralized global crowd-funded hard assets investment platform dedicated to crowdfunding the world's best collector opportunities to buy collectibles and related projects. Big and small-time investors can purchase stakes in collectibles and related projects via existing Blockchain networks (e.g., Ethereum, Binance).

CollectorCoin™ leverages blockchain to provide an immutable record of ownership allowing investors of any size to buy into collector projects and reap rewards proportionate to their investments down the line. The CollectorCoin™ platform enables virtually anyone with a computer and a small sum of money to diversify investments into collector projects.

As an example, DLM Group, Inc. is a real estate company that provides services to collectors. It contracted with Archemy, Inc. to create a service that allows collectors to crowdfund the restoration of antique cars in exchange for a portion of the valuation of their cars in the CollectorCoin™ cryptocurrency. DLM Group, Inc., via its New Cadillac Database, advertises that

---

[1] Global Collectibles Industry, Global Collectibles Industry | Wonder (askwonder.com)
[2] U.S. Patent No. 11,074061 B2

service to various collector car clubs, including the international [Museum & Research Center](#) and [Cadillac & LaSalle Club](#) members. That service was first made available in July of 2018 as referenced in the Archemy™ Meta-ML Platform patent ([U.S. Patent No. 11,074061 B2](#)) documentation.

Technology Employed

Tech Types: FinTech – Enterprise Analytics, Enterprise & Sol. Arch.
Website Framework: ReactJS, React Native, MetaMask, Web3
Application Server: Express, NodeJS
Process Server: JBoss BPM (jBPM) Suite Intelligent Process Server
Languages: Java, JavaScript
Smart Contract Components: Stable Token Contract, CollectorCoin™ Swap Token Contract
Decentralized Blockchain: Ethereum
Database Systems: MySQL (alternative RDBMS, optional)

End State

The solution supports a variety of users who can come together and generate investment opportunities. It also provides investors with options to seamlessly invest into collectibles and related projects and to recoup from their investments down the line. The platform makes use of a stable token to ensure stability of the assets, while leveraging blockchain technology.

Reusable Components

- The solution architecture, including integration of the jBPM process
- Smart Contract components