Claims

1. A method executed by one or more computing devices for creating a portfolio representing asset earning potential that is represented by exchangeable digital tokens, wherein each of the one or more computing devices comprises a processor and a memory, the method comprising:

acquiring at least one derived asset data representing rights to at least one revenue stream associated with underlying assets data;

performing a risk adjusted present value evaluation function on at least one derived asset data;

bundling at least one derived asset data to create in the memory an asset pool with a PAR value based on the results of the performing step;

issuing in the memory a predetermined number of shares data against the pool of assets;

associating each share data with a digital token by creating data records in a database, each data record associating data of the asset pool with a corresponding digital token;

issuing the digital tokens to shareholders via a currency exchange; and

associating a dividend data with shareholders linked to income of the underlying assets data.

2. The method of claim 1, further comprising:

setting asset owner obligations with at least one smart contract to decoupled earning potential.

3. The method of claim 1, further comprising:

establishing in the memory a reservoir of liquid assets data associated within the portfolio; and

applying a pricing function whose beneficiary is the shareholders to the liquid assets data in the reservoir to thereby provide a countercyclical pricing model in response to systemic changes in market conditions and asset risk and performance.

4. The method of claim 3, wherein the reservoir includes a fiat currency pool and share pool and further comprising a risk pool of liquid assets.

5. The method of claim 4, further comprising transferring the income from the risk pool to the reservoir to meet preset liquidity requirements.

6. The method of claim 4, further comprising reducing or increasing the value of the asset pool through transfer to and from the risk pool based on realized income through preset rules maintained in a smart contract.

7. The method of claim 4, further comprising paying coupon income to shareholders out of the risk pool.

8. The method of claim 4, further comprising transferring value from the risk pool to the reservoir in response to reservoir value being reduced by a predetermined amount due to shareholders exiting the portfolio.

9. The method of claim 4, further comprising paying cash dividends to shareholders.

10. The method of claim 1, wherein shares of the asset portfolio are backed by assets in the portfolio to thereby enable shareholders to redeem shares for individual assets in the portfolio for a market price and increase underlying assets liquidity and portfolio liquidity.

11. The method of claim 1, wherein all transactions related to the portfolio are recorded in a blockchain ledger thereby allowing access to transaction data by shareholders and portfolio management platforms through a common reporting interface.