APPLICATION CLAIMING THE BENEFIT OF PRIOR PROVISIONAL APPLICATION

This application claims the benefit of U.S. Provisional Patent Application No. 63/560,741 filed on March 3, 2024. The entire disclosure of the provisional application is hereby incorporated by reference in its entirety.

TITLE

QuantWater: Personalized Mineralized Water System, with proprietary software including ''Hypersign'' Native HTML Form Integration Protocol and Continuous Adaptive Reweighting with Integrated Audit Verification and Content Differentiation in Machine Learning Models

ABSTRACT

QuantWater:
A novel system designed to provide individuals with water mineralized to their specific health requirements, based on the analysis of body fluids. The system collects body fluid samples, analyzes targeted mineral and vitamin levels, computes a personalized formulation, mineralizes distilled water with the computed blend, and integrates a delivery service for direct distribution—thereby ensuring optimal mineral intake and mitigating risks associated with imbalances.

HyperSign:
An innovative computer-implemented method for dynamically creating and integrating interactive web forms within a document. This system detects drag actions on HTML elements, identifies valid drop targets (e.g., TD, DIV, P, SPAN, etc.), embeds corresponding form fields while preserving document structure, and integrates these fields with back-end databases. By being native to HTML, it seamlessly integrates into enterprise operating systems and ERP platforms, potentially disrupting conventional PDF-based signing systems.

Adaptive Reweighting System:
A system and method for continuously reweighting machine learning model parameters via online optimization, integrating audit verification and content differentiation. The system continuously acquires and preprocesses streaming data, distinguishes between opinion-based and verifiable factual content through natural language processing, and updates model weights accordingly. Generated outputs are cross-checked against trusted references to ensure factual accuracy.