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(54) **Title:** SYSTEM AND METHOD FOR DATA AUTONOMY VIA INFERENCE PATHWAYS IN MISSION ORCHESTRATION PLATFORM

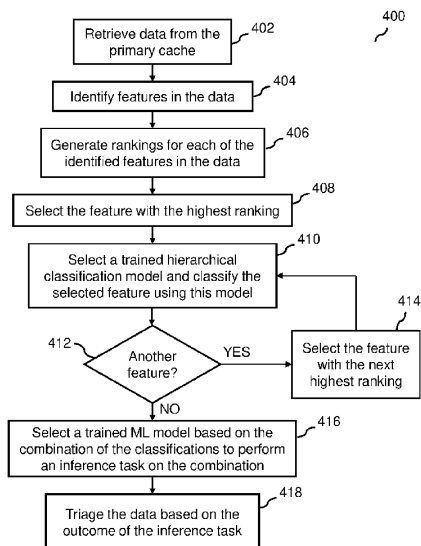


FIGURE 4

(57) **Abstract:** This disclosure pertains to a cutting-edge mission orchestration platform designed to address deficiencies in mission data management and processing, ensuring data autonomy and integrity. It involves the novel use of multi-layered inference pathway protocols for the autonomous arbitration of artificial intelligence (AI) models to manage and process mission data. This advanced approach of deploying multi-layered inference pathway protocols facilitates extremely fast data self-organization, enhances data independence in mission platforms, maintains high data integrity, and accelerates the extraction of actionable intelligence from diverse data types sourced in mission orchestration.