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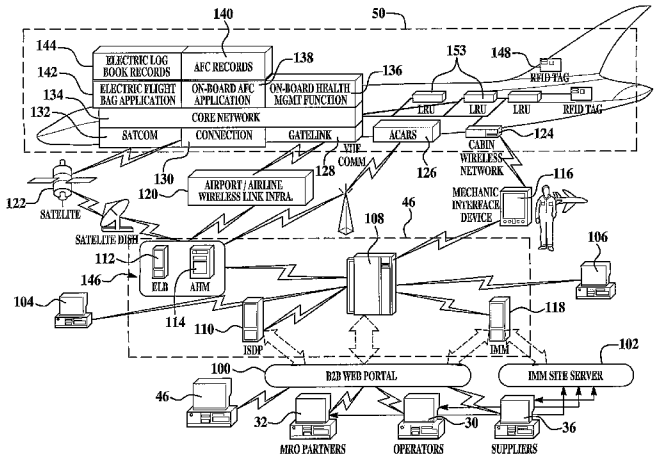
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(54) Title: INTEGRATED MATERIALS MANAGEMENT FOR COMMERCIAL AIRCRAFT FLEETS INCLUDING ACCESS TO REAL-TIME ON-BOARD SYSTEMS INFORMATION



(57) Abstract: Turnkey maintenance of a customer's aircraft fleet is managed by a single management service provider (MSP) controlling integrated maintenance and materials services from a central operations site. The MSP converts data received directly from on-board aircraft systems into information it uses to manage maintenance service providers and parts suppliers. The MSP contracts with and manages maintenance, repair and overhaul organizations (MROs) who perform the maintenance on the customers' aircraft at line and base stations. The MSP either remotely manages part inventories at the customer's site, or manages suppliers who deliver the parts to the MROs. Maintenance planning, scheduling and execution information is exchanged between the MSP, MROs, part suppliers and the customers through a shared data communication network controlled by the MSP. The MSP charges the customer for the maintenance services based on a flat rate per unit of aircraft flying time.

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