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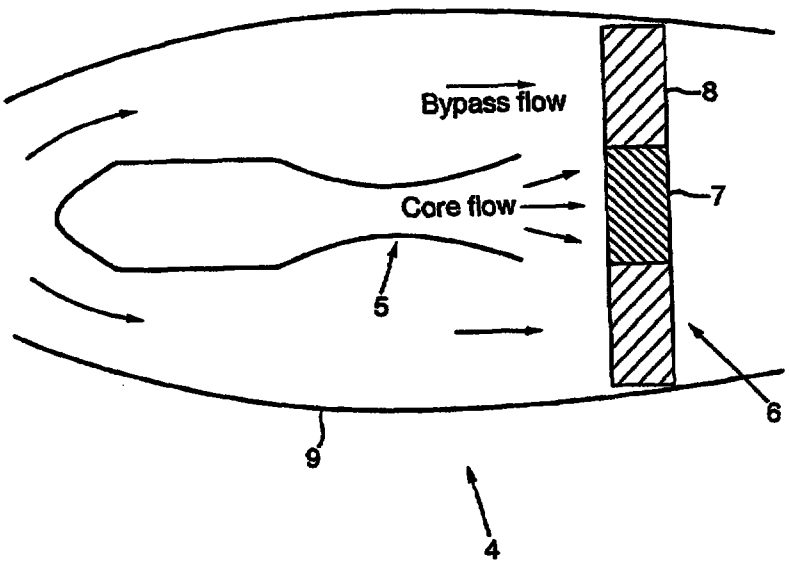
(54) Title: HYDROGEN PEROXIDE BASED PROPULSION SYSTEM



(57) Abstract: A micro air vehicle comprising fuel tank connected to a region adapted to decompose hydrogen peroxide, and a nozzle adapted to exit the decomposition products of hydrogen peroxide to provide thrust. Preferably provide a hydrocarbon fuel is used to consume oxygen from the decomposition of hydrogen peroxide. Also an engine comprising a tank adapted to contain hydrogen peroxide, a decomposition region/chamber suitable for decomposing hydrogen peroxide, a nozzle to accelerate the resulting decomposition products, and a turbofan located downstream of the exit of said nozzle, and located within a duct so as to provide propulsive thrust.

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