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(57) Abstract :

The present disclosure relates to a system for providing immersive experience by integrating quantum teleportation with mixed reality. The system (102) include quantum sensors (306) to monitor and capture quantum states of particles at source point pertains to system (102, destination point pertains to computing devices (108). The system (102) triggers quantum entanglement between particles at source point, destination point based on quantum states, and transfer quantum information to computing devices (108). The system (102) enables detectors (308) to measure energy levels and characteristics of particles. The system (102) enables superconducting quantum interference devices (SQUIDs) (310) to monitor and control electromagnetic fields of particles. The system (102) enables cameras (312), tracking sensors (314), and microphone (316) to track activities of user. The system (102) display real-time visualizations of digital holographic elements on holographic display lens (320) based on activities, and enable user to interact with digital holographic elements, where holographic display lens (320) provides immersive experience to user within physical environment to facilitate mixed reality environment.

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