

(54) Title of the invention : DEVELOPING A CONSENT MANAGEMENT FRAMEWORK FOR USER-CENTRIC IOT DEVICES

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(57) Abstract :  
 The invention introduces a dynamic consent management framework tailored specifically for Internet of Things (IoT) devices, addressing the pressing need for enhanced user privacy and control in an increasingly interconnected world. By enabling real-time modification of consent preferences through a user-friendly interface, the framework empowers individuals to make informed decisions about their personal data. Granular consent management capabilities allow users to specify detailed preferences, ensuring that their privacy requirements are accurately reflected. Transparent documentation and audit trails facilitate compliance with data protection regulations, while interoperable protocol implementation ensures seamless communication of consent preferences across diverse IoT platforms and devices. With adaptability and scalability at its core, the framework represents a comprehensive solution for user-centric consent management in the IoT domain, emphasizing privacy, transparency, and control over personal data.

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