

BLOCKCHAIN-BASED PAPERLESS DOCUMENTATION

ABSTRACT

Disclosed herein are methods, systems, and apparatus, including computer programs encoded on computer storage media, for enabling paperless documentation. One of the methods includes identifying one or more electronic forms to be filled out and submitted in a plurality of steps for providing the service; at each step of the plurality of steps: generating a unique identifier (ID) based on a time that the step is performed and digital content on the electronic form at the time; recording the unique ID, the time, and the digital content on the blockchain; embedding the unique ID in the digital content at the time by changing one or more attributes associated with the digital content to be representative of the unique ID, wherein the embedding produces information-embedded digital content that enables retrieval of the time and the digital content from the blockchain based on the unique ID; and recording the information-embedded digital content to the blockchain.

FIG. 10