ABSTRACT

Integration of blockchain transactions with off-chain processing

A system for performing a coordinated transaction is disclosed, involving a digital asset transaction performed on a blockchain and a payment transaction performed at a payment processing system. The system comprises a blockchain subsystem arranged to interface with the blockchain and to execute a main workflow process including the digital asset transaction and an interface to the payment processing system. A plurality of interface operations are provided which can be invoked by the main workflow process. Each operation is arranged to communicate via the interface with the payment processing system to control execution of a respective stage of the payment processing transaction at the payment processing system; and to maintain on the blockchain mirror transaction data tracking a status of the payment processing transaction at the respective stage. The system is further configured to synchronize execution of the digital asset transaction with the payment transaction using the interface operations.

[Figure 1]