Abstract

There may be provided a computer-implemented method. It may be implemented using a blockchain network such as, for example, the Bitcoin network. The computer-implemented method includes: i) receiving, at a node in a blockchain network, a first transaction associated with a digital asset, the first transaction specifying at least: a) a first set of constraints on a second transaction to transfer control of the digital asset, the first set of constraints including one or more constraints that cause the second transaction to contain a set of data from a blockchain; and b) a second set of constraints on the second transaction, the second set of constraints including one or more constraints associated with data items of the set of data; ii) verifying that the first set of constraints and the second set of constraints are satisfied; and iii) reassociating the digital asset based at least in part on the verifying.

Figure 1.