PERFORMING TRANSACTIONS USING PRIVATE AND PUBLIC BLOCKCHAINS

Abstract

Among other things, we describe a method of enabling one or more entities of a blockchain system to carry out a series of operations. The blockchain system includes a main chain, a co-chain, wherein the co-chain has a corresponding account on the main chain, an asset owned by the corresponding account on the main chain and owned by an account on the co-chain, and a co-chain account possessing the asset. The operations include posting an authenticated transaction on the co-chain, the authenticated transaction authorizing a transfer of the asset from the co-chain account to an account of the main chain, determining that the authenticated transaction is posted on the co-chain, and posting, on the main chain, a transaction assigning the asset to the account of the main chain.

[Figure 4]