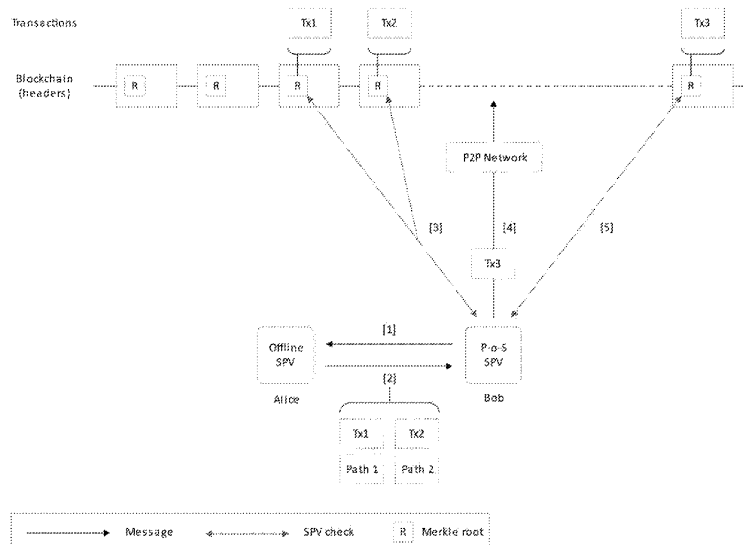




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An illustrative embodiment of the invention

Figure 10

(57) Abstract: The invention provides improved verification solutions for blockchain-implemented transfers. It is suited for, but not limited to, implementation in an SPV wallet. In accordance with one embodiment, a system or resource is provided which comprises a plurality of novel SPV verification components, the activities of which are coordinated by a coordination component. The system enables Bob to send Alice a payment transaction template (template Tx3) and requests: the full transaction data for all input transactions (Tx1, Tx2) comprising at least one output that Alice wants to spend as inputs to a transfer (Tx3); the Merkle path for all input transactions (Tx1, Tx2) linking them to their respective Merkle roots associated with their respective block headers; the completed transfer transaction (Tx3). Alice provides this information plus her signature. Bob can then perform local SPV checks on the input transactions Tx1, Tx2 using transactions Tx1 and Tx2, their corresponding Merkle paths Path 1, Path 2, and Bob's local list of block headers. Bob broadcasts

[Continued on next page]

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