ABSTRACT

SYSTEMS AND METHODS FOR ENHANCED ORGANIZATIONAL TRANSPARENCY USING A CREDIT CHAIN

A method for inter-linking dependent processes across multiple parties using smart contracts may include: receiving, from a customer, an identification of collateral for a loan and an identification of an insurer that insures the collateral; generating a smart contract that directs the back end to cause the insurer to pay the lending financial institution a loan balance for the collateral in response to an insurance claim based on a value for the collateral falling below a predetermined amount; writing the smart contract to a ledger as a first block in a linked transaction chain; receiving, from the ledger, notice that the value for the collateral is less than the predetermined amount in a second block in the linked transaction chain written by the insurer; and automatically executing the smart contract, whereby the insurer pays the loan balance to the lending financial institution and any remaining balance to the customer.

(Figure 6)