

WHAT IS CLAIMED IS:

1. A method for triggering payment transactions through predetermined events identified using a blockchain, comprising:
 - 5 receiving, at a first computing system, trigger data from an external computing device, the trigger data including at least a first account identifier, a second account identifier, and one or more trigger event values;
receiving, at the first computing system, one or more blockchain data values stored in a block in a blockchain, wherein each blockchain data value includes at least
10 a hash value;
identifying, by the first computing system, a match between a specific blockchain data value of the one or more blockchain data values and a specific trigger event value of the one or more trigger event values based on at least the hash value included in the specific blockchain data value and the specific trigger event value;
15 electronically transmitting, by the first computing system, a notification message to a second computing system, the notification message including at least the first account identifier and the second account identifier;
identifying, by the second computing system, a first payment identifier based on the received first account identifier and a second payment identifier based on the
20 received second account identifier; and
initiating, by the second computing system, a payment transaction for payment from a transaction account associated with the first payment identifier to a transaction account associated with the second payment identifier for a predetermined transaction amount.

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2. The method of claim 1, wherein the trigger data includes the predetermined transaction amount.
3. The method of claim 1, wherein
- 5 each of the one or more trigger event values included in the trigger data is accompanied by an amount value, and
- the predetermined transaction amount is the amount value accompanying the specific trigger event value.
- 10 4. The method of claim 1, further comprising:
- receiving, by the second computing system, the first account identifier and the first payment identifier or the second account identifier and the second payment identifier from the external computing device.
- 15 5. The method of claim 1, wherein the notification message further includes an order number.
6. The method of claim 5, wherein the order number is one of: a single order number included in the trigger data for each of the one or more trigger event
- 20 values, or an order number associated with the specific trigger event value included in the trigger data.
7. The method of claim 1, wherein initiating the payment transaction includes submitting a transaction message formatted pursuant to one or more
- 25 standards to a financial institution using payment rails, wherein the transaction

message includes a plurality of data elements including one or more data elements storing the first payment identifier, the second payment identifier, and the transaction amount.

5 8. The method of claim 7, wherein the one or more standards includes the ISO 8583 or ISO 20022 standards.

 9. A system for triggering payment transactions through predetermined events identified using a blockchain, comprising:

10 a first computing system;
 a second computing system; and
 an external computing device, wherein
 the first computing system

 receives trigger data from the external computing device, the trigger
15 data including at least a first account identifier, a second account identifier, and one or more trigger event values,

 receives one or more blockchain data values stored in a block in a blockchain, wherein each blockchain data value includes at least a hash value,

 identifies a match between a specific blockchain data value of the one
20 or more blockchain data values and a specific trigger event value of the one or more trigger event values based on at least the hash value included in the specific blockchain data value and the specific trigger event value, and

 electronically transmits a notification message to the second computing system, the notification message including at least the first account identifier and the
25 second account identifier,

the second computing system

receives the notification message from the first computing system,

identifies a first payment identifier based on the received first account
identifier and a second payment identifier based on the received second account

5 identifier, and

initiates a payment transaction for payment from a transaction account
associated with the first payment identifier to a transaction account associated with
the second payment identifier for a predetermined transaction amount.

10 10. The system of claim 9, wherein the trigger data includes the
predetermined transaction amount.

11. The system of claim 9, wherein
each of the one or more trigger event values included in the trigger data is
15 accompanied by an amount value, and
the predetermined transaction amount is the amount value accompanying the
specific trigger event value.

12. The system of claim 9, wherein the second computing system further
20 receives the first account identifier and the first payment identifier or the second
account identifier and the second payment identifier from the external computing
device.

13. The system of claim 9, wherein the notification message further
includes an order number.

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14. The system of claim 13, wherein the order number is one of: a single order number included in the trigger data for each of the one or more trigger event values, or an order number associated with the specific trigger event value included in the trigger data.

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15. The system of claim 9, further comprising:

a financial institution, wherein

initiating the payment transaction includes submitting a transaction message formatted pursuant to one or more standards to the financial institution using payment
10 rails, wherein the transaction message includes a plurality of data elements including one or more data elements storing the first payment identifier, the second payment identifier, and the transaction amount.

16. The system of claim 15, wherein the one or more standards includes
15 the ISO 8583 or ISO 20022 standards.