

[CLAIMS]

[Claim 1]

A method of processing a transaction through an external node on a blockchain, the method comprising:

5 setting, by a setup node, internal nodes and external nodes;
 setting, by the setup node, a first data transaction right in the internal nodes;
and

 setting, by the setup node, a second data transaction right in the external nodes,

10 wherein the first data transaction right is a right which is set in the internal nodes to operate in a blockchain network, ~~and~~

 the second data transaction right is a right which is set in the external nodes to operate in the blockchain network, ~~and~~

~~[Claim 2]~~

15 ~~The method of claim 1,~~ wherein the first data transaction right and the second data transaction right are set on the basis of channels, channel codes, or data classifications.

[Claim ~~3~~2]

20 The method of claim ~~1~~2, wherein when the first data transaction right and the second data transaction right are set on the basis of the channels, the internal nodes are connected through a first channel, and the external nodes are connected through a second channel, and

 the first channel and the second channel are separated to generate separate blockchains.

25 [Claim ~~4~~3]

The method of claim [23](#), wherein when the first data transaction right and the second data transaction right are set on the basis of chain codes, a first chain code is installed on the internal nodes, and a second chain code is installed on the external nodes,

- 5 the internal nodes process data related to the first chain code,
the external nodes process data related to the second chain code, and
the first chain code includes a function of the second chain code.

[Claim [54](#)]

A setup node for processing a transaction through an external node on a
10 blockchain, the setup node comprising:

a communication unit implemented to communicate with an external node;
and

a processor operatively connected to the communication unit,
wherein the processor is implemented to set internal nodes and external nodes,

15 set a first data transaction right in the internal nodes, and set a second data transaction right in the external nodes,

wherein the first data transaction right is a right which is set in the internal nodes to operate in a blockchain network, ~~and~~

20 the second data transaction right is a right which is set in the external nodes to operate in the blockchain network, ~~and~~ [and](#)

~~{Claim 6}~~

~~The setup node of claim 5,~~ wherein the first data transaction right and the second data transaction right are set on the basis of channels, channel codes, or data classifications.

25 [Claim [75](#)]

The setup node of claim [46](#), wherein when the first data transaction right and the second data transaction right are set on the basis of the channels, the internal nodes are connected through a first channel, and the external nodes are connected through a second channel, and

5 the first channel and the second channel are separated to generate separate blockchains.

[Claim [86](#)]

The setup node of claim [57](#), wherein when the first data transaction right and the second data transaction right are set on the basis of chain codes, a first chain code is installed on the internal nodes, and a second chain code is installed on the external nodes,

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the internal nodes process data related to the first chain code,
the external nodes process data related to the second chain code, and
the first chain code includes a function of the second chain code.

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