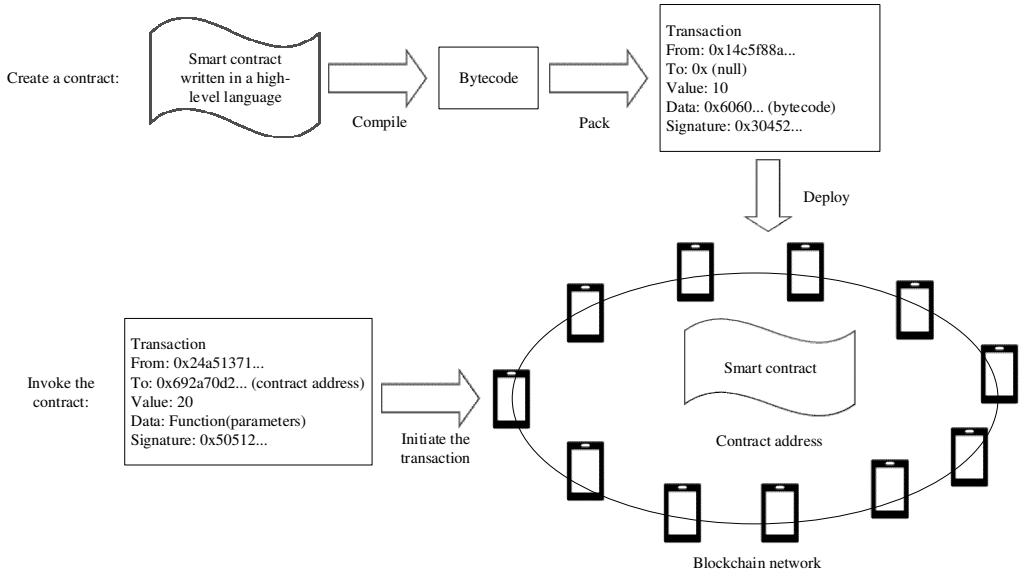

Create a contract:
Smart contract written in a high-level language
Compile
Bytecode
Pack
Transaction
From: 0x14c5f88a...
To: 0x (null)
Value: 10
Data: 0x6060... (bytecode)
Signature: 0x30452...
Deploy
Invoke the contract:
Transaction
From: 0x24a51371...
To: 0x692a70d2... (contract address)
Value: 20
Data: Function(parameters)
Signature: 0x50512...
Initiate the transaction
Smart contract
Contract address
Blockchain network

FIG. 4

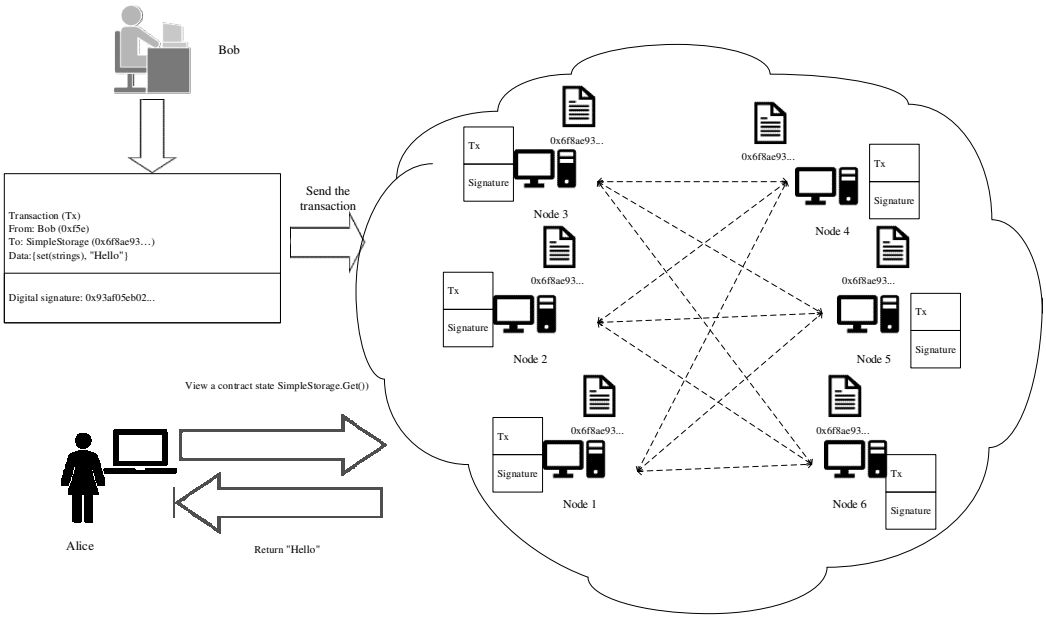

Bob
Transaction (Tx)
From: Bob (0xf5e)
To: SimpleStorage (0x6f8ae93…)
Data:{set(strings), "Hello"}
Digital signature: 0x93af05eb02...
Send the transaction
View a contract state SimpleStorage.Get())
Alice
Return "Hello"
0x6f8ae93...
Tx
Signature
Node 1
Node 2
Node 3
Node 4
Node 5
Node 6

FIG. 5