

1 / 32

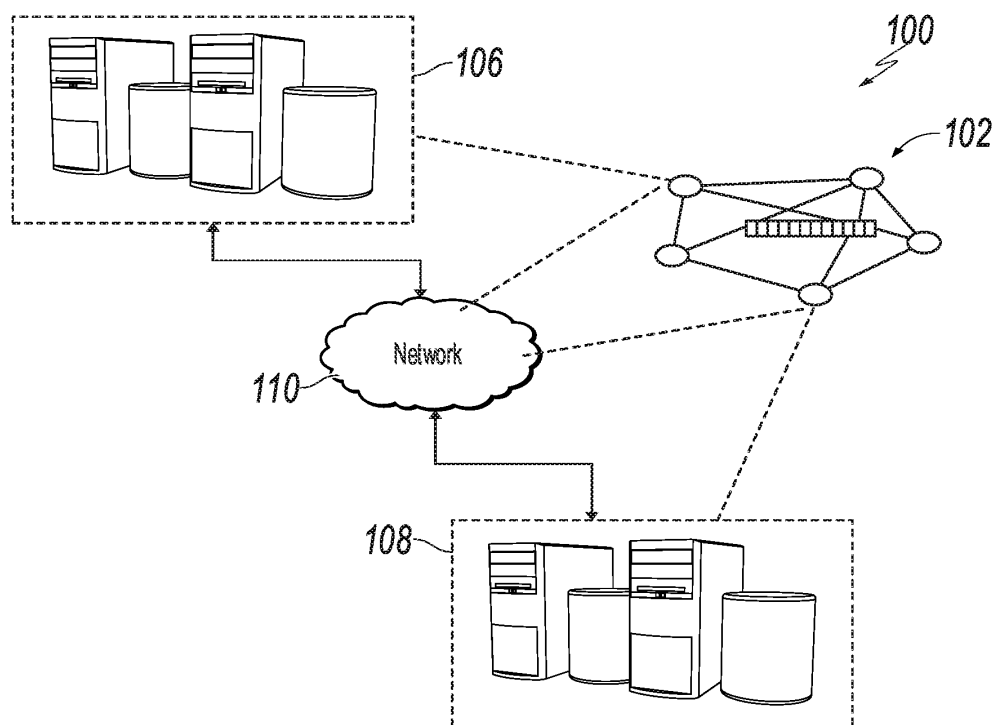


FIG. 1

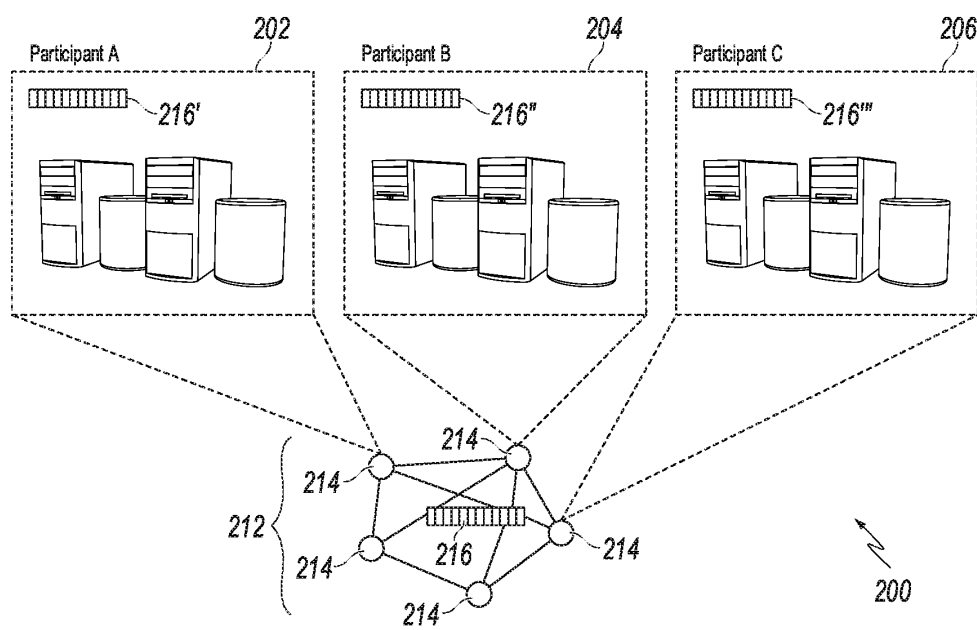


FIG. 2

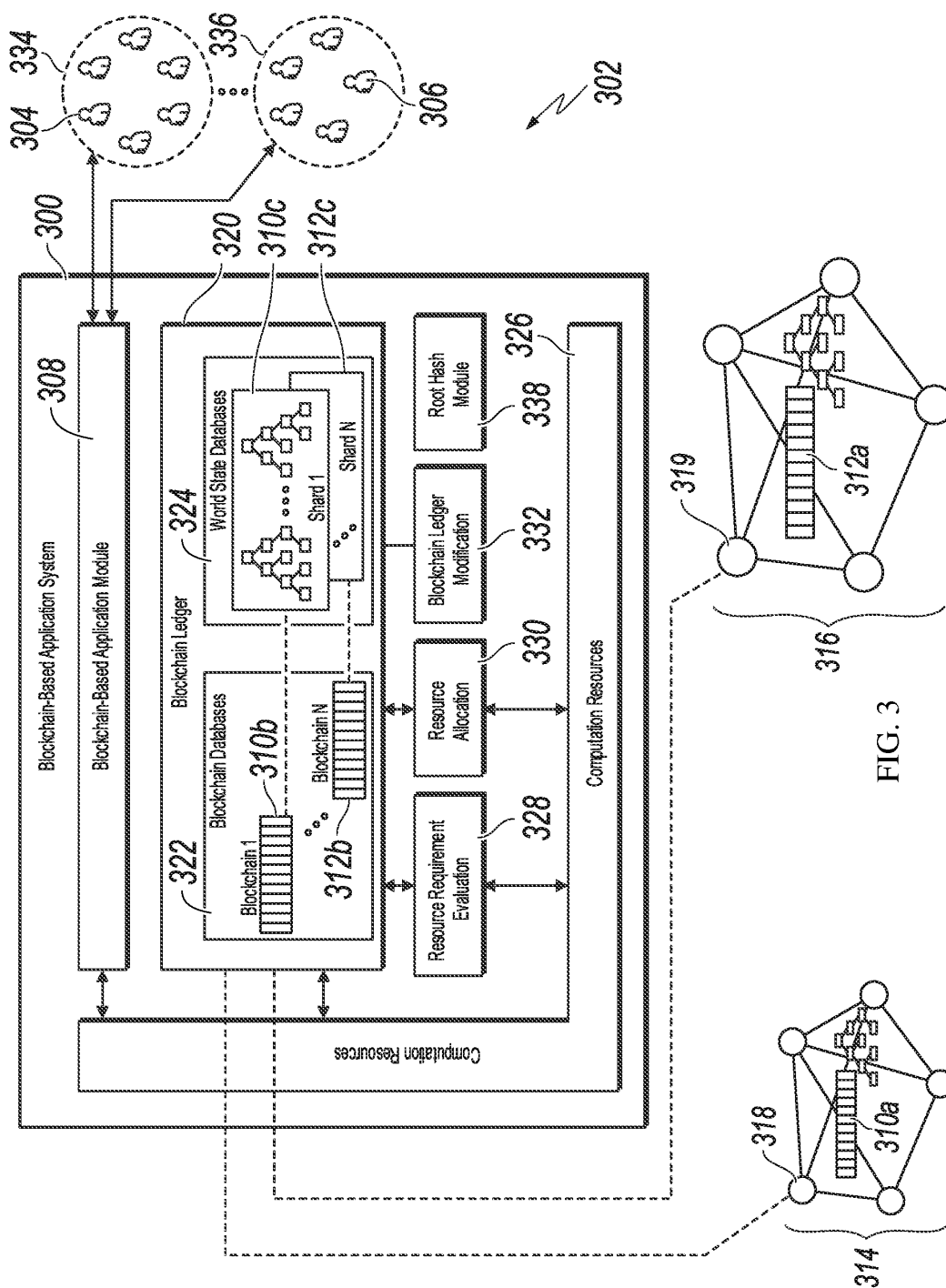
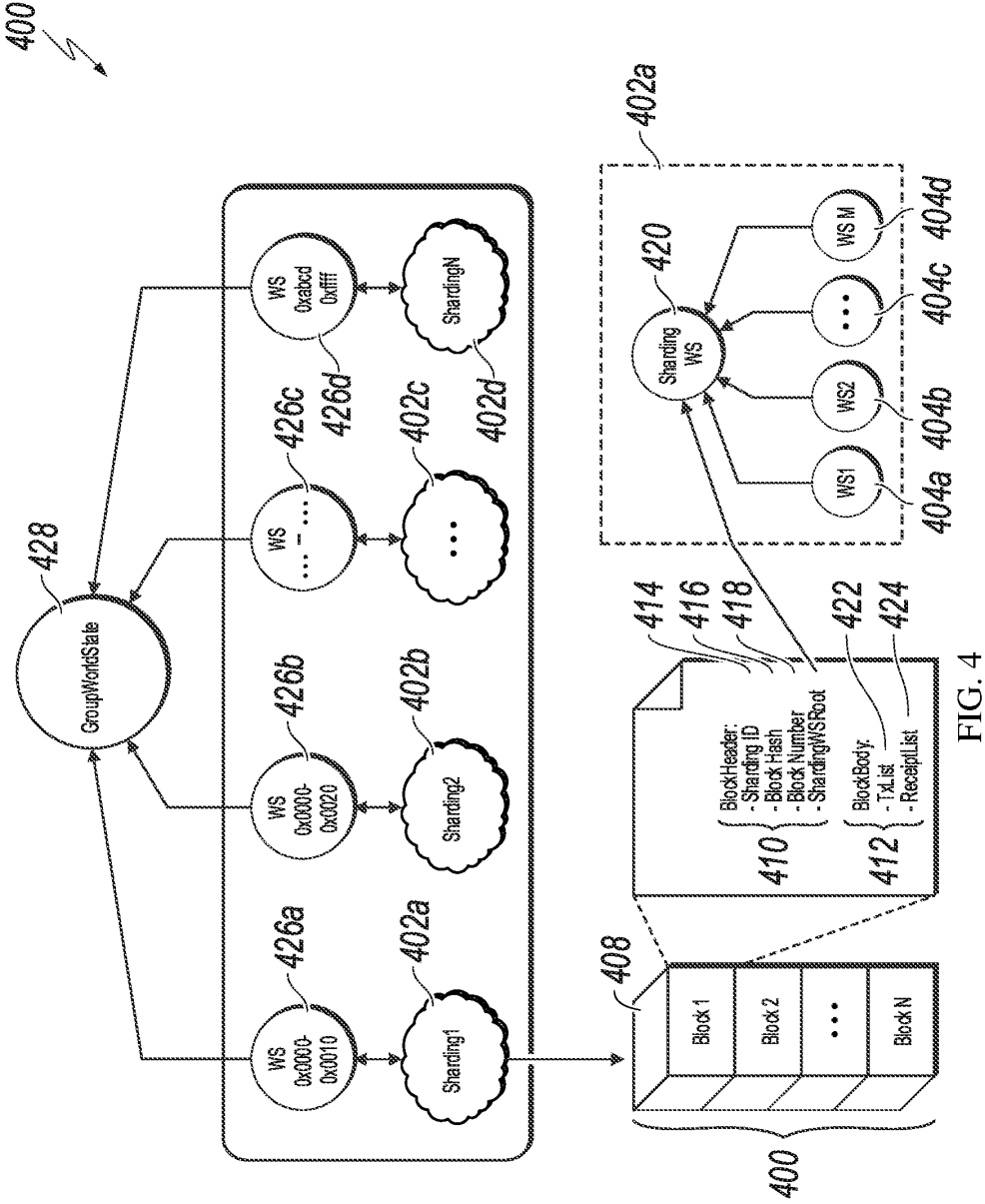


FIG. 3



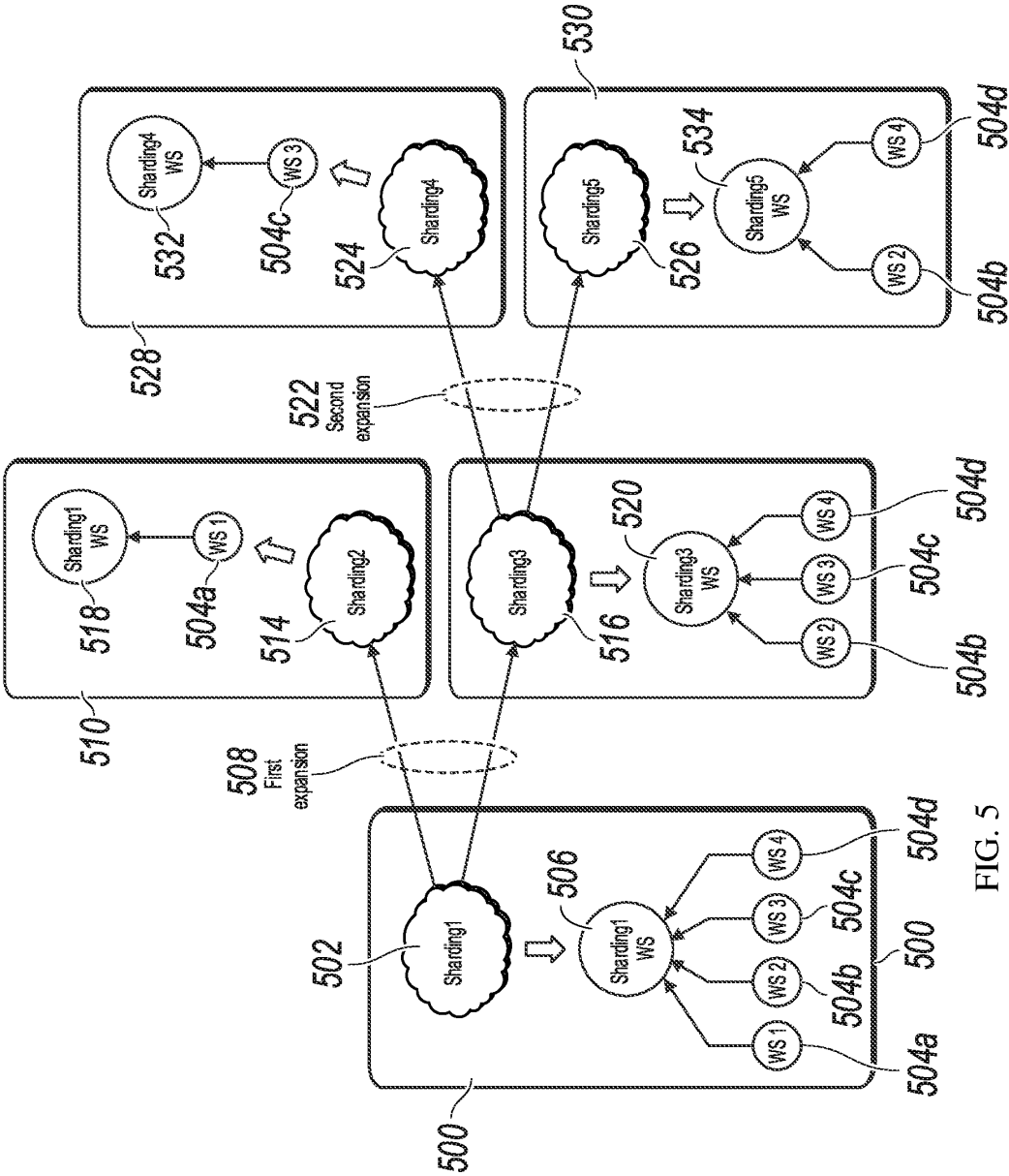


FIG. 5

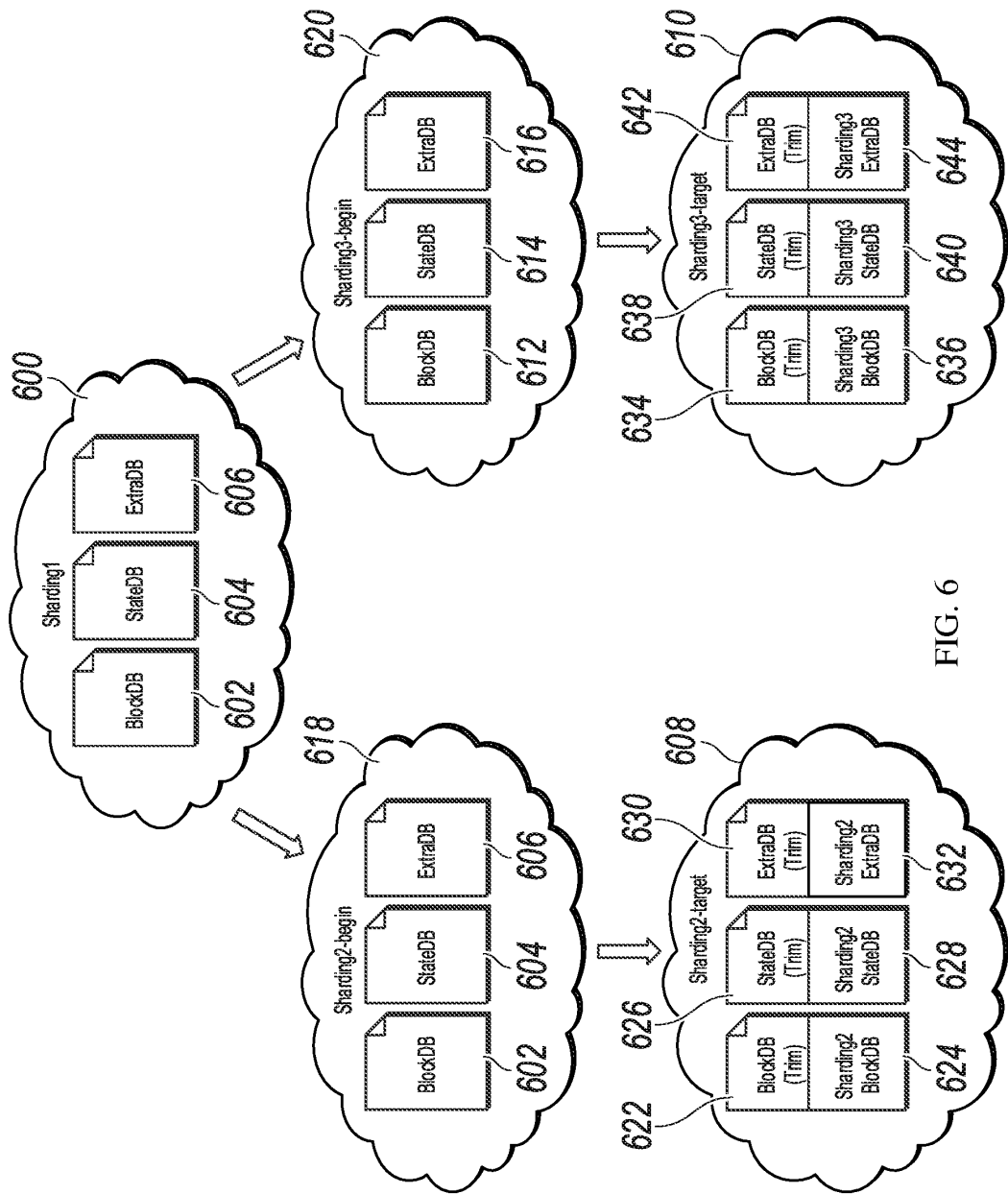


FIG. 6

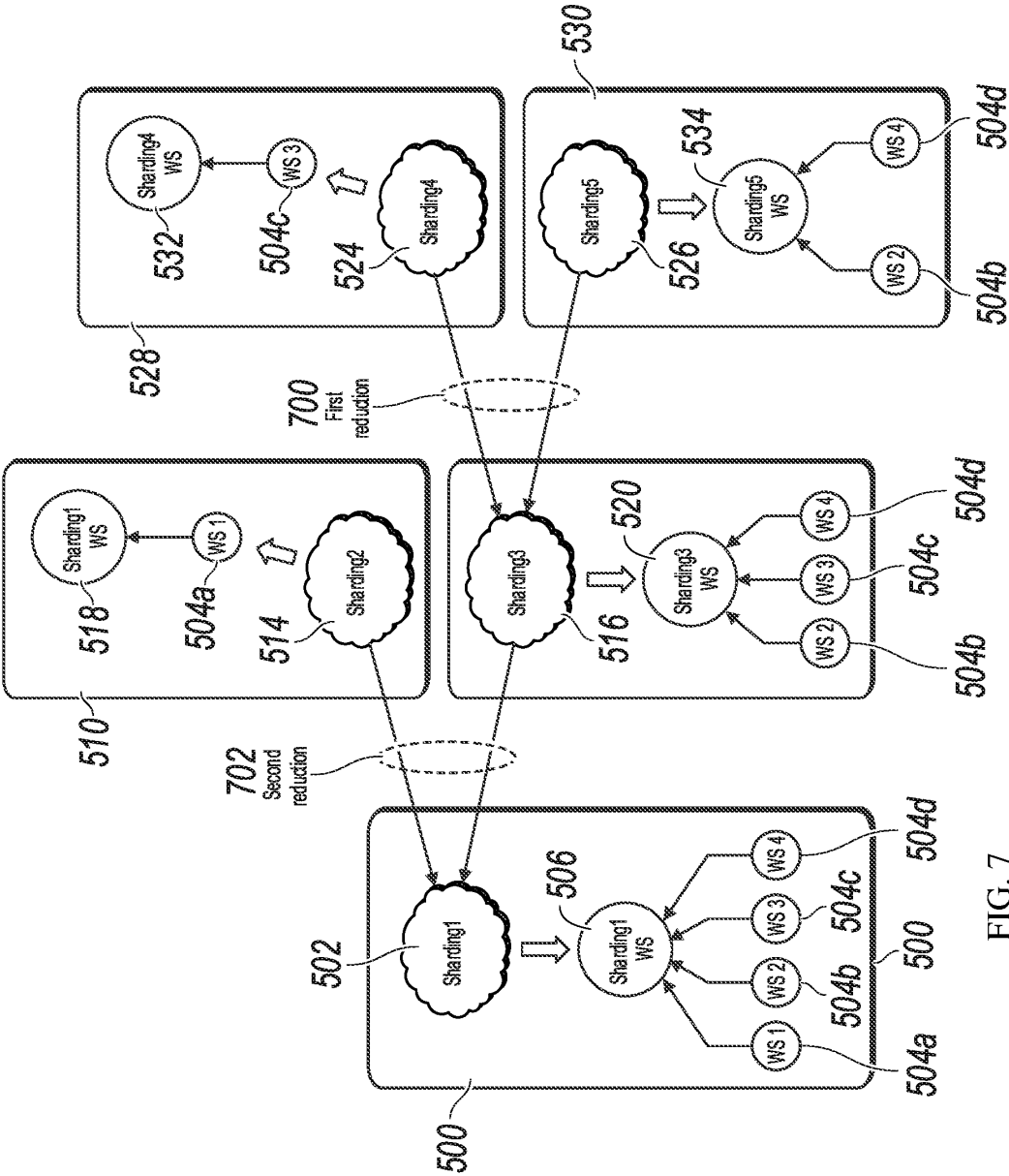


FIG. 7

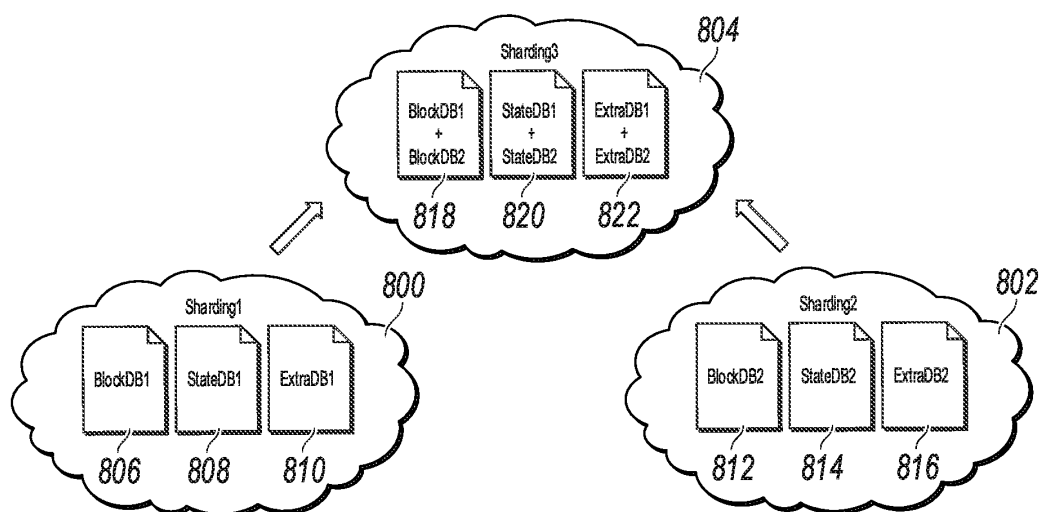


FIG. 8

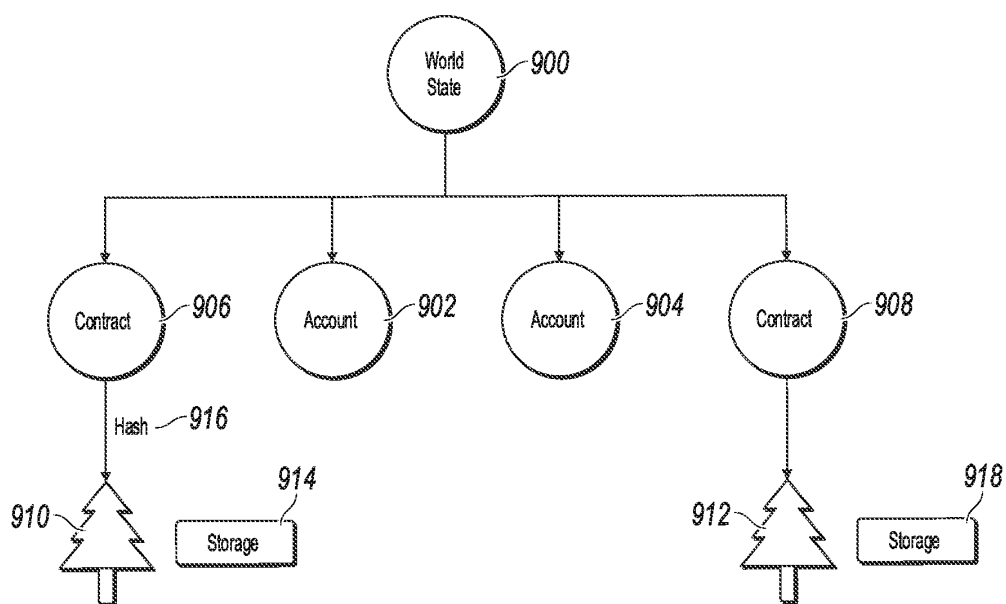


FIG. 9

1000 ↘

```
pragma solidity >=0.4.22 <0.6.0;
contract TestContract {
1002 → struct AccountInfo {
    address account_id;
    uint age;
    bool gender;
    string memo;
}
1004 → struct CompanyInfo {
    address company_id;
    string company_address;
}
1006 → struct Country {
    uint8 id;
    string country_info;
}
    mapping(string => AccountInfo) Zhejiang_account_infos;
    mapping(string => AccountInfo) Shanghai_account_infos;
    mapping(address => CompanyInfo) string_map;
    Country countriesp[];
1014 }
1008 1010 1012
```

FIG. 10

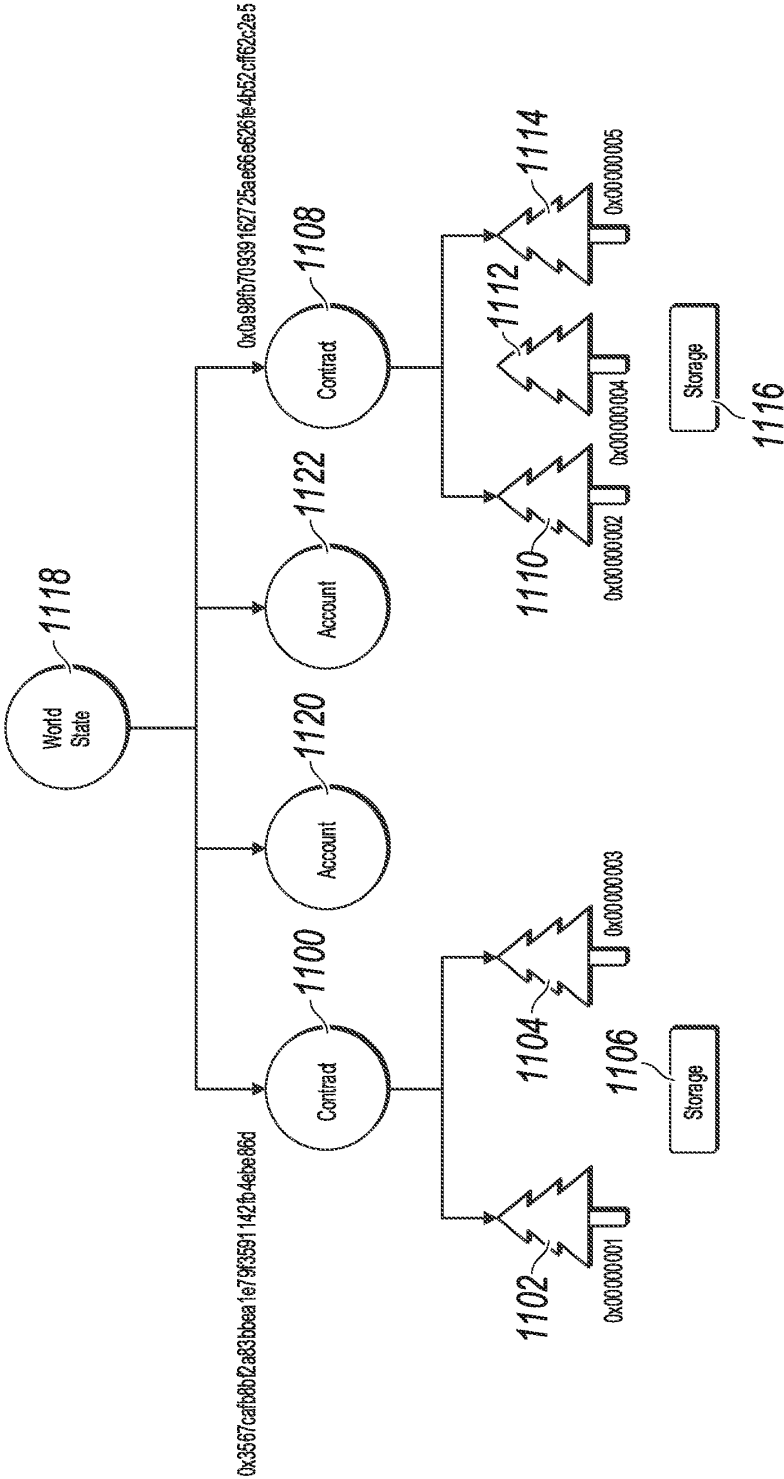


FIG. 11

1200
⚡

```
pragma solidity >=0.4.22 <0.6.0;
contract TestContract {
1002 → struct AccountInfo {
        address account_id;
        uint age;
        bool gender;
        string memo;
    }
1004 → struct CompanyInfo {
        address company_id;
        string company_address;
    }
1006 → struct Country {
        unit8 id;
        string country_info;
    }
1204 → MerkleTree(0x00000001) mapping(string => AccountInfo) Zhejiang_account_infos;
        MerkleTree(0x00000001) mapping(string => AccountInfo) Shanghai_account_infos;
        mapping(address => CompanyInfo) string_map;
        MerkleTree(0x00000003) Country countriesp[];
        1206      1014      1108      1010
```

FIG. 12

1300
⚡

```
pragma solidity >=0.4.22 <0.6.0;
contract TestContract {
1002 → struct AccountInfo {
        address account_id;
        uint age;
        bool gender;
        string memo;
    }
        1302
        1304
    MerkleTree(0x00000002) mapping(string => AccountInfo) Beijing_account_infos;
1306 → MerkleTree(0x00000004) mapping(string => AccountInfo) Chongqing_account_infos;
1310 → MerkleTree(0x00000005) mapping(string => AccountInfo) Shenzhen_account_infos;
        1308    1312
```

FIG. 13

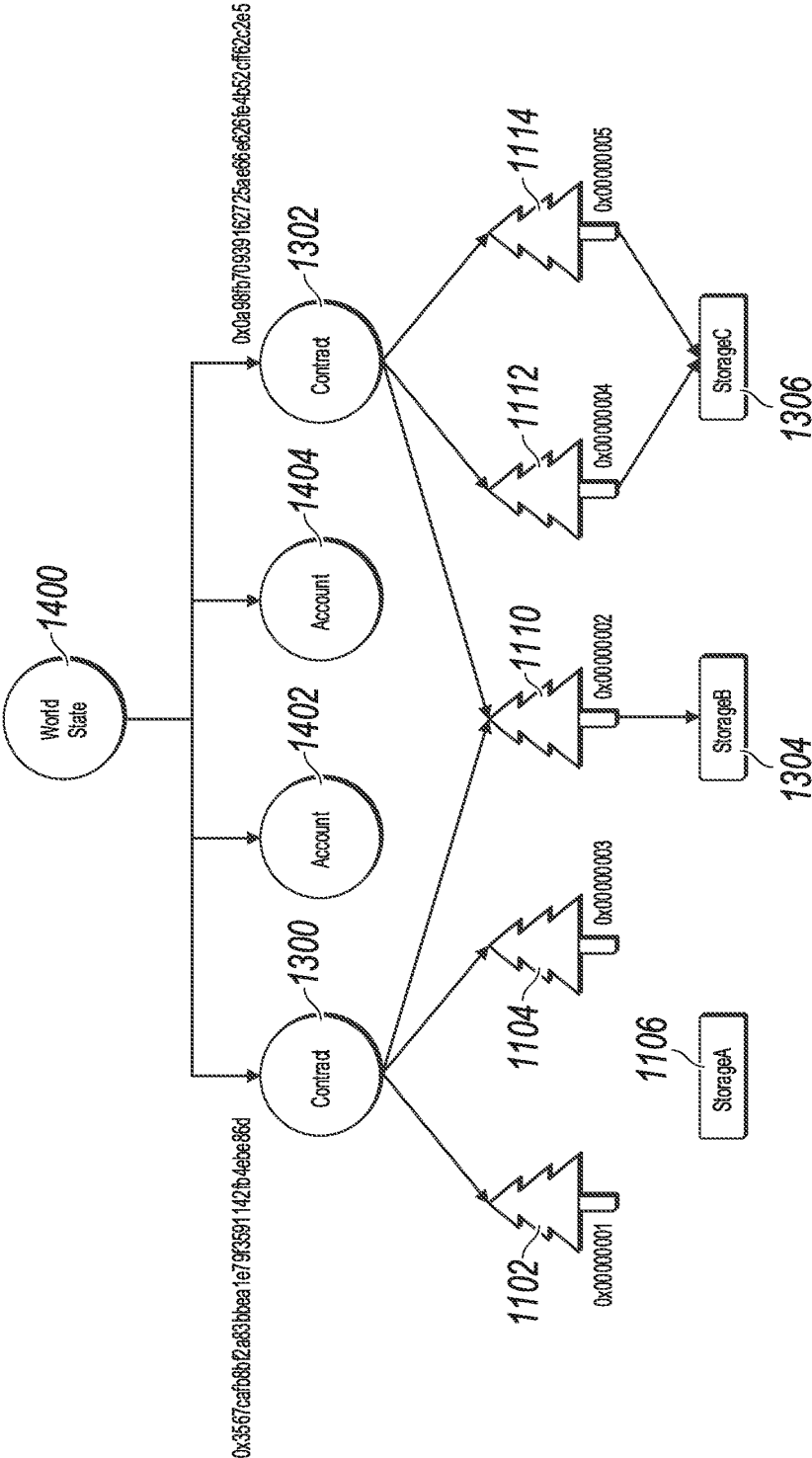


FIG. 14

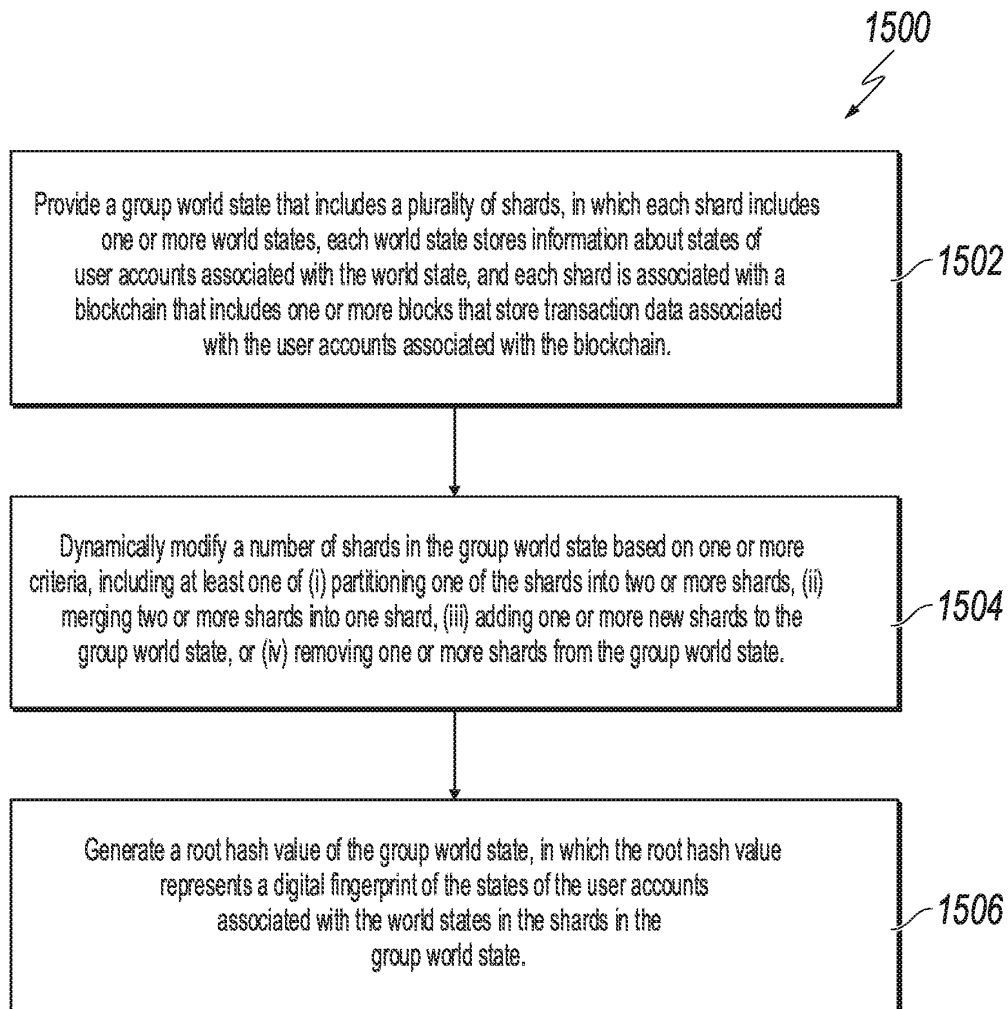


FIG. 15

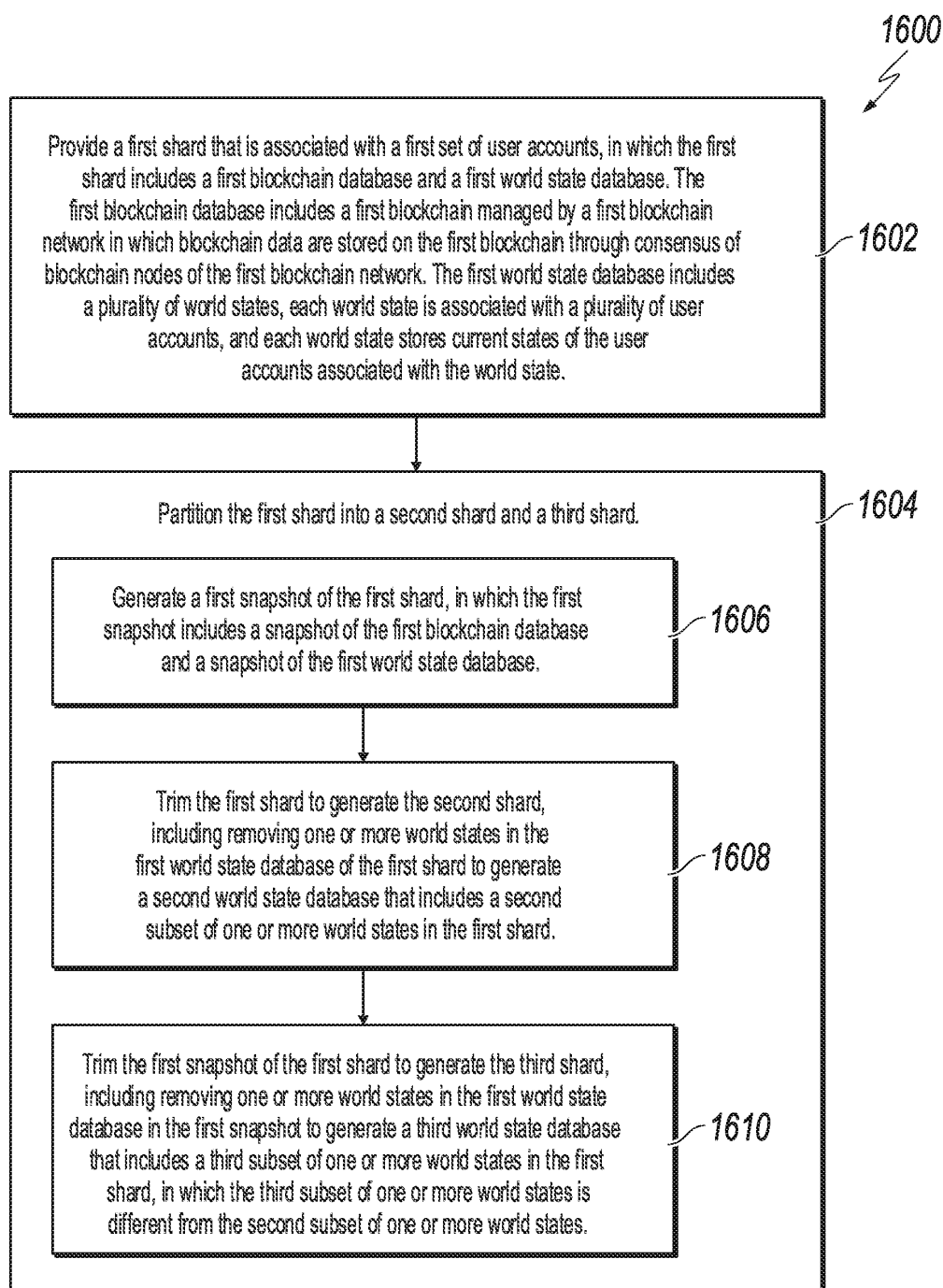


FIG. 16

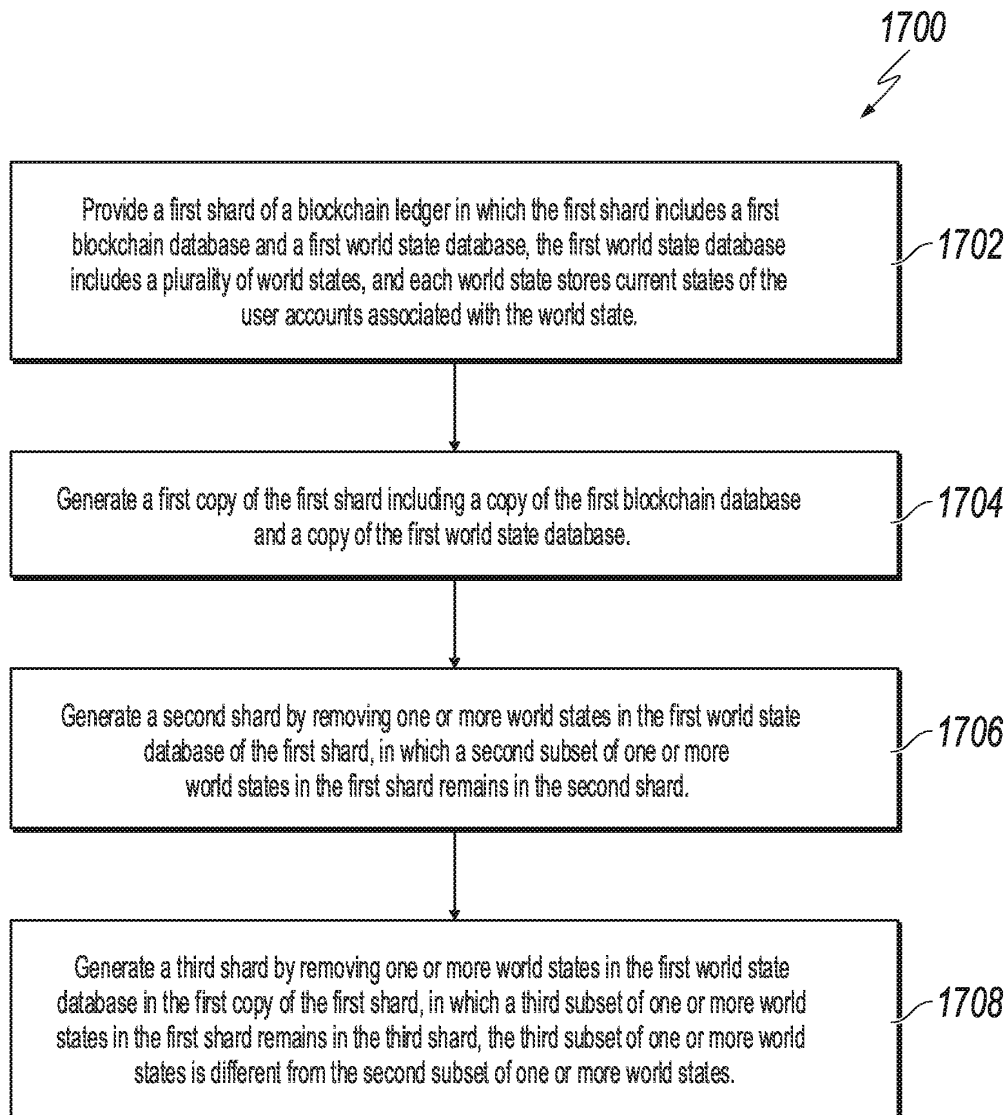


FIG. 17

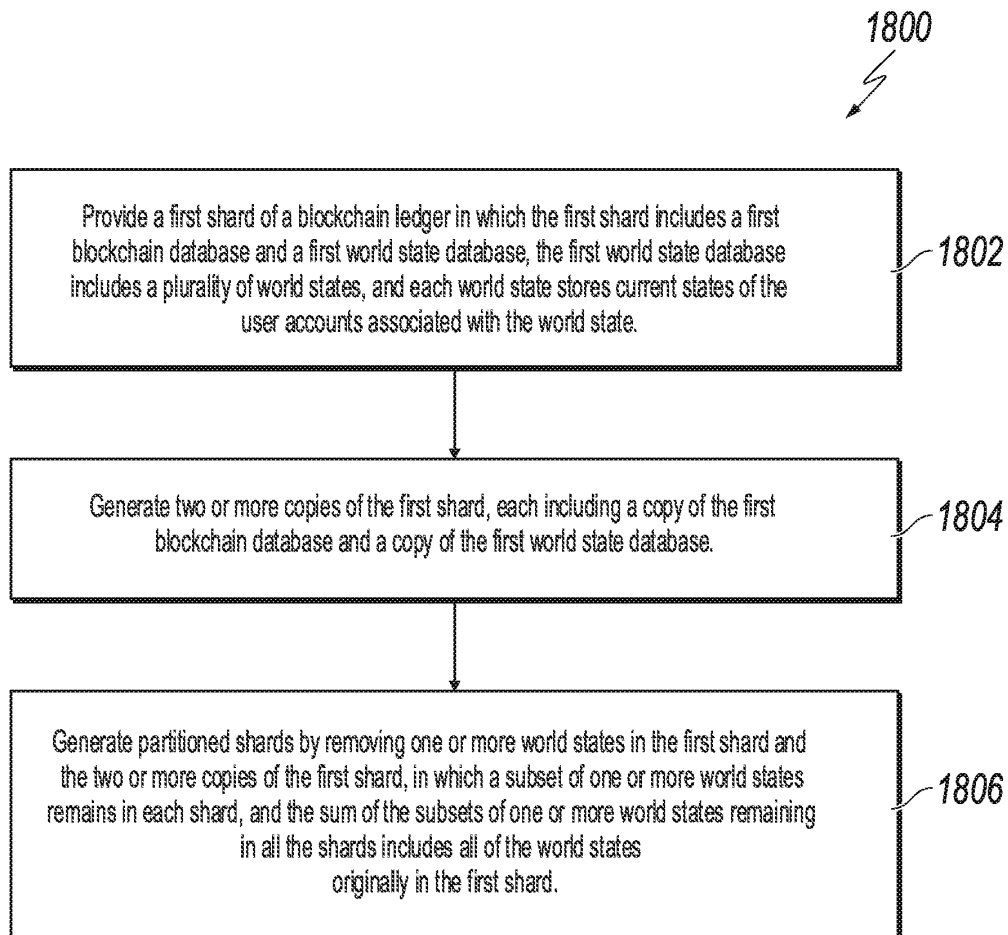


FIG. 18

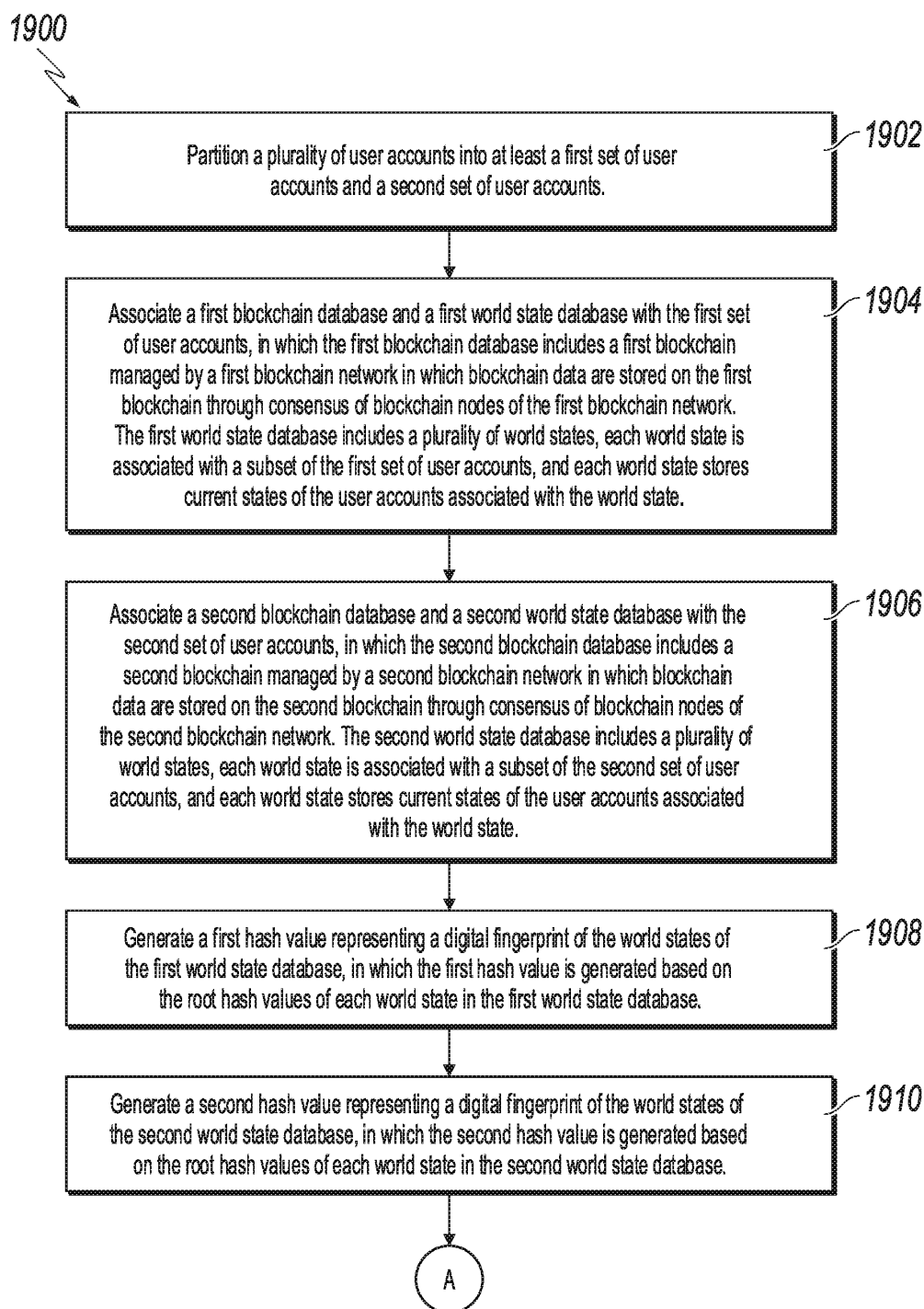


FIG. 19A

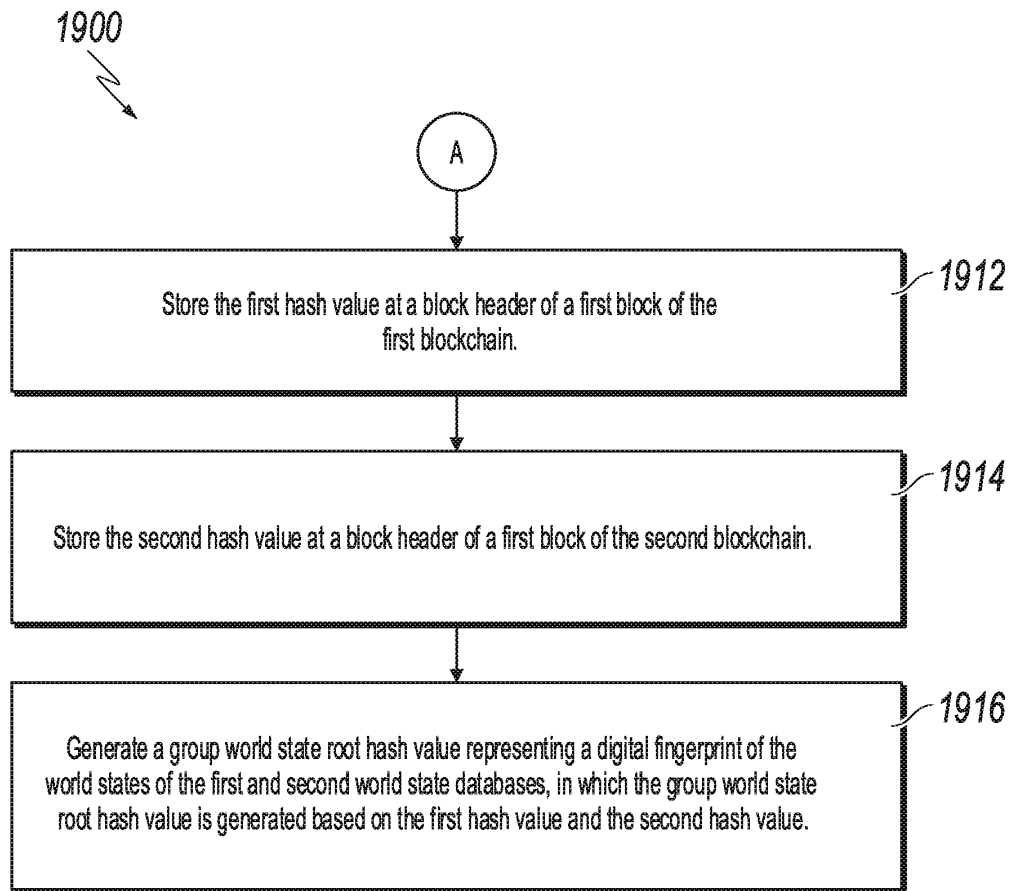


FIG. 19B

2000

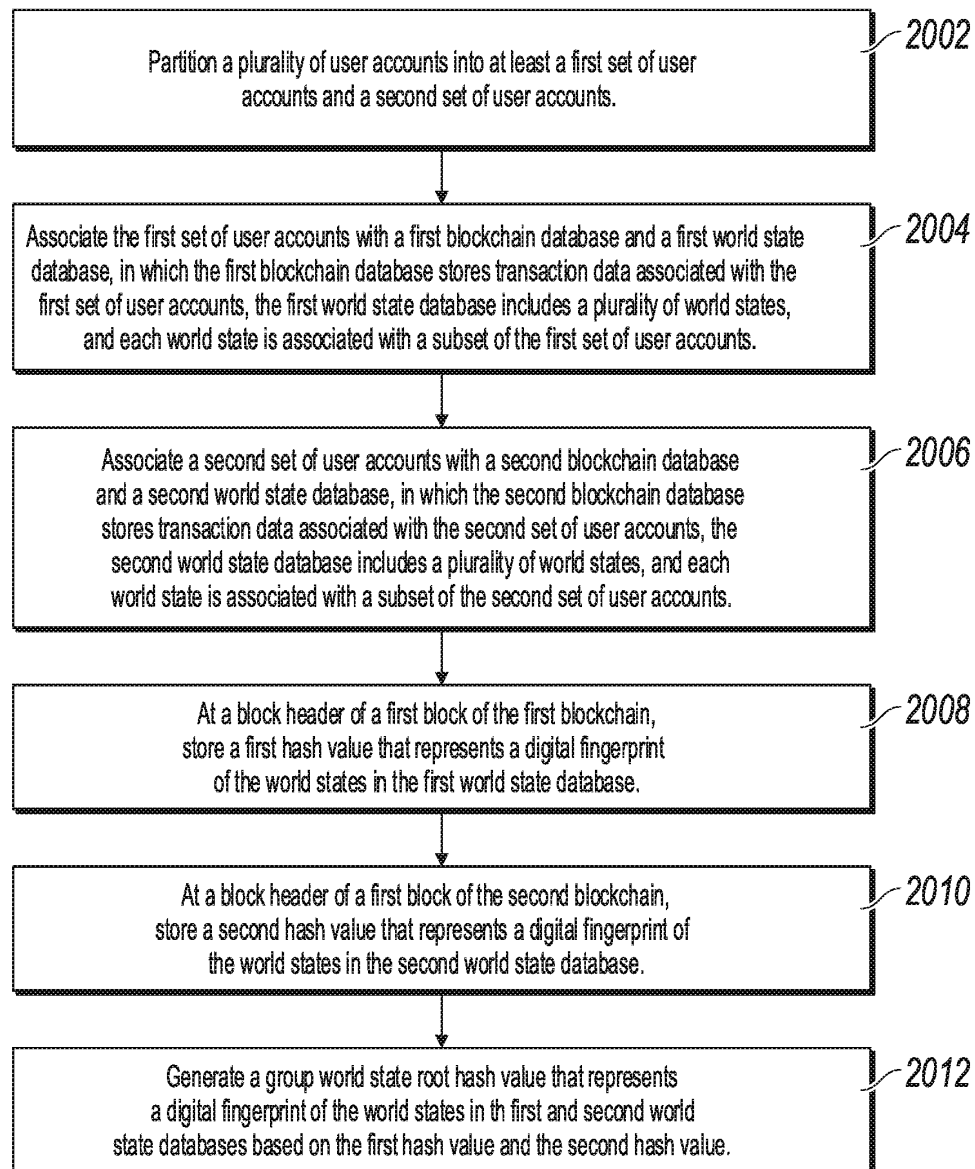


FIG. 20

2100

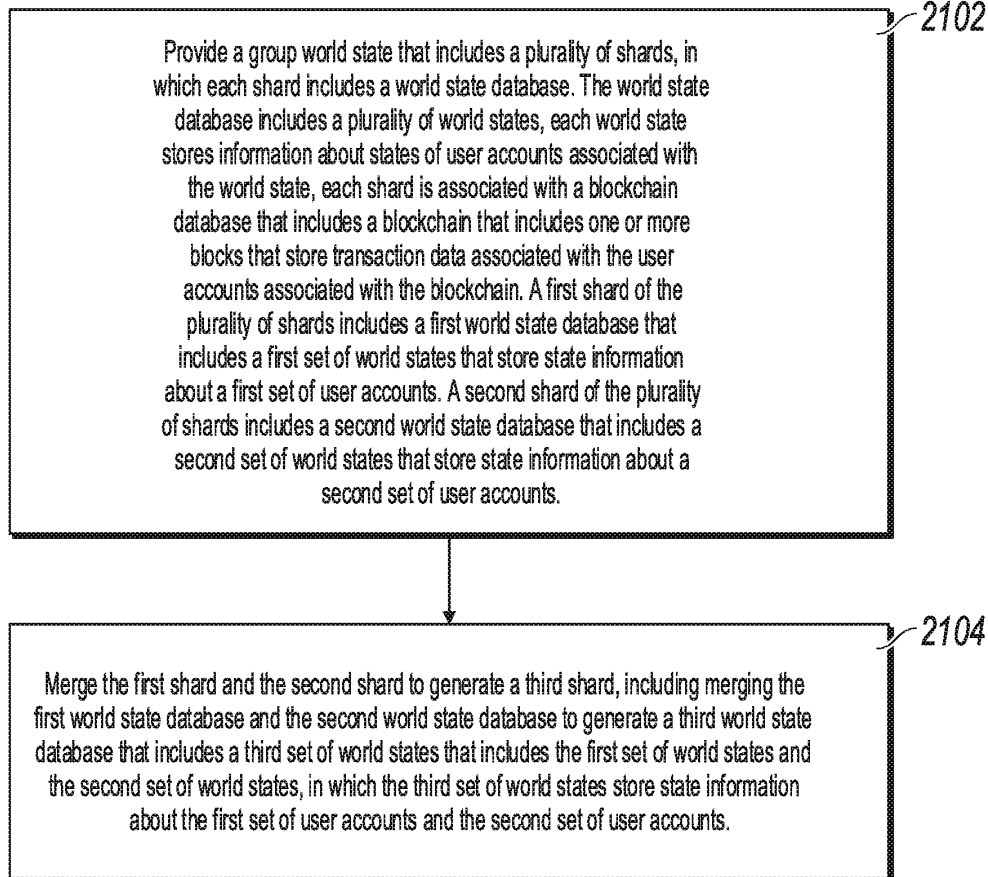


FIG. 21

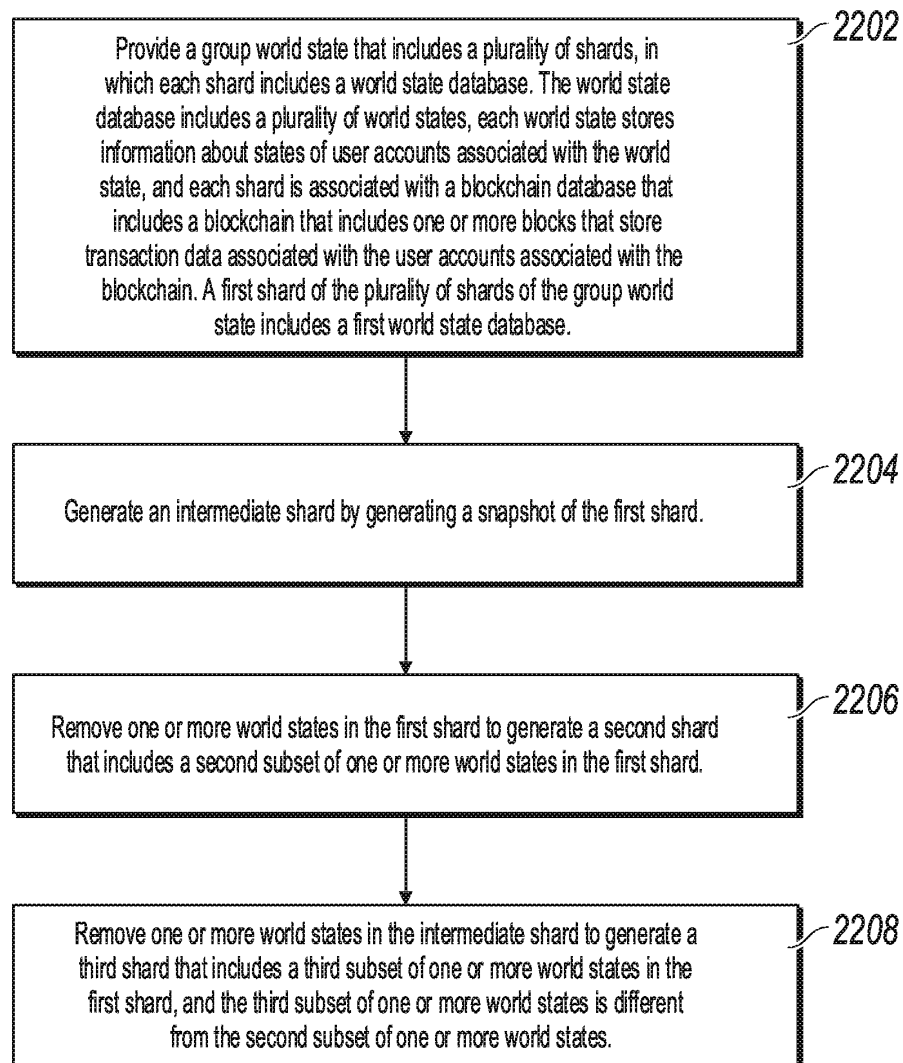
2200


FIG. 22

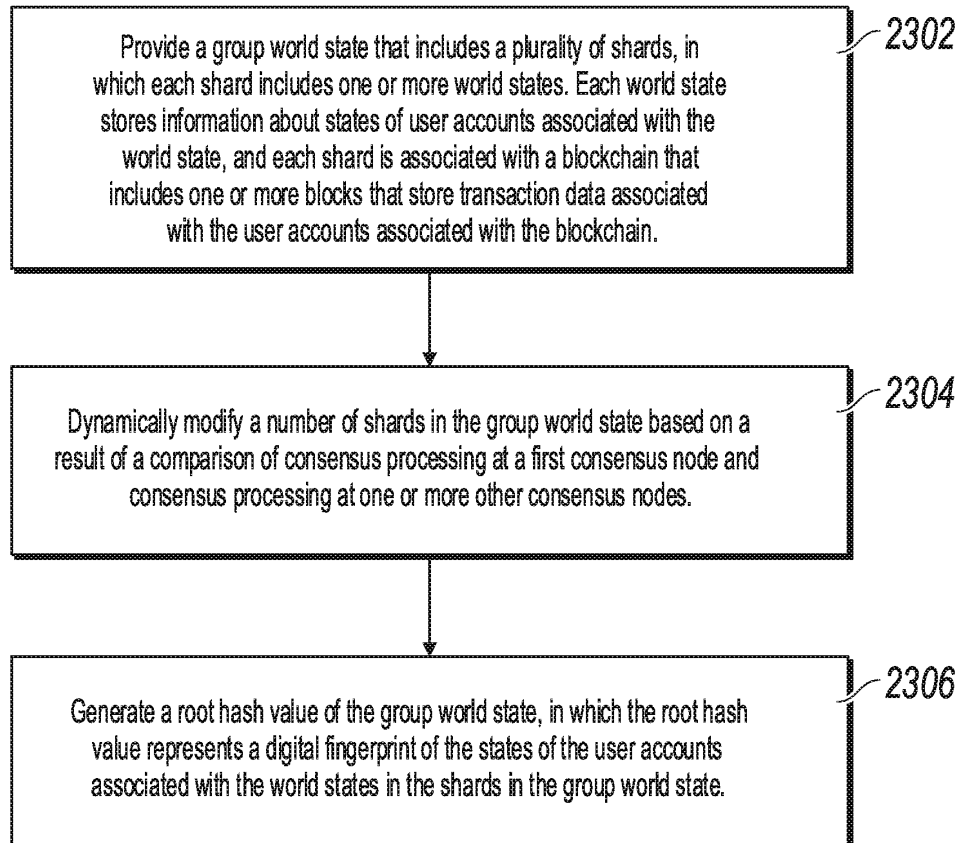
2300


FIG. 23

2400

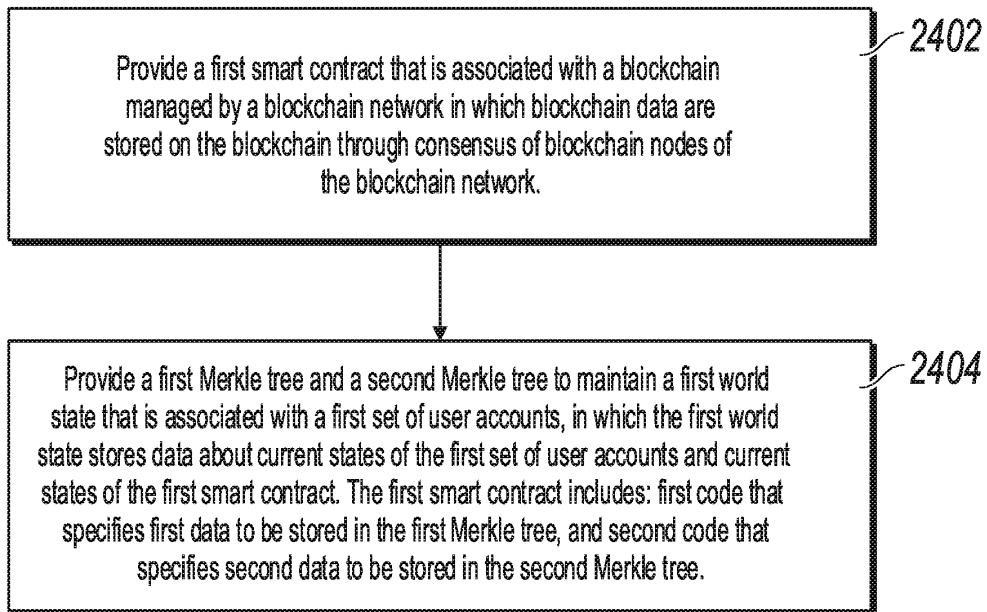


FIG. 24

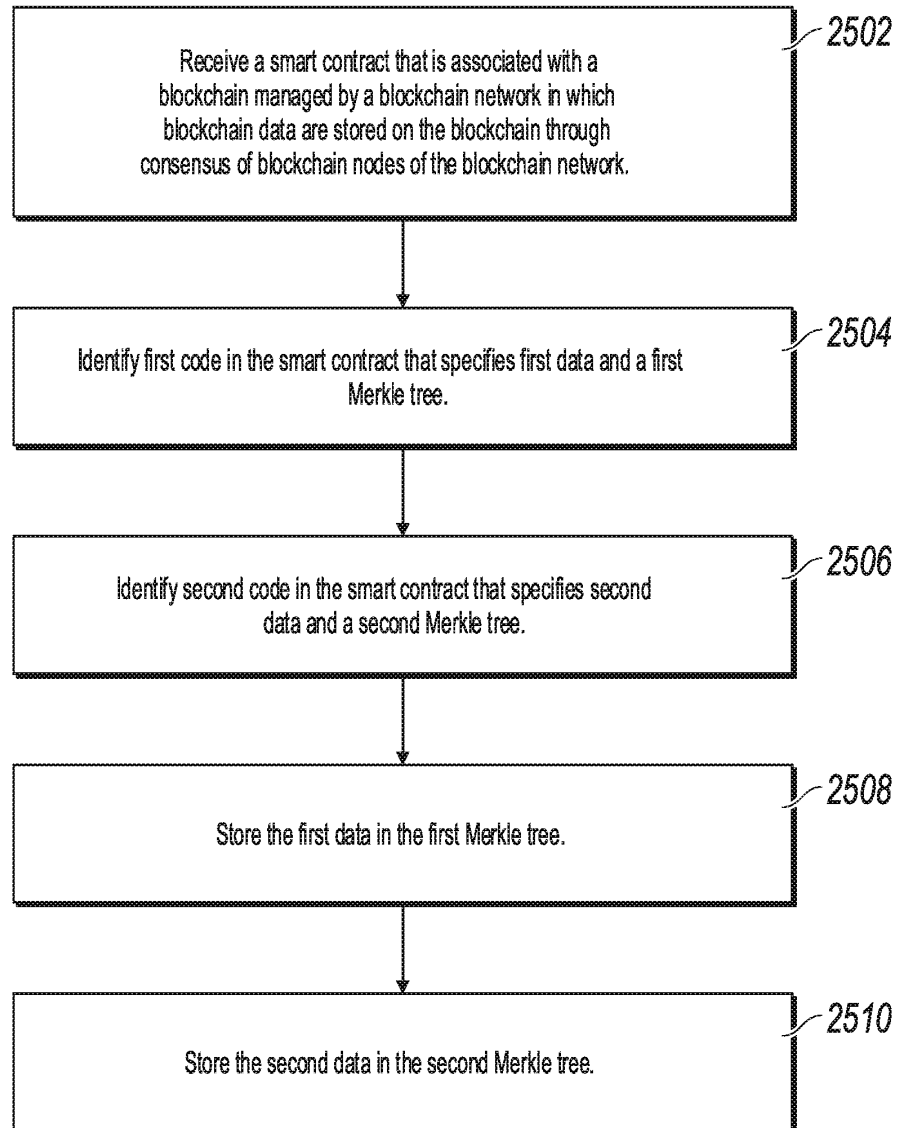
2500


FIG. 25

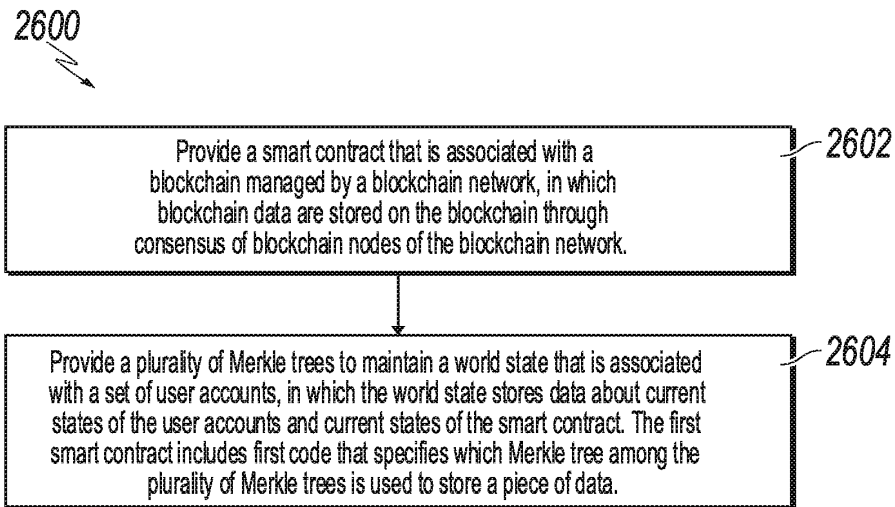


FIG. 26

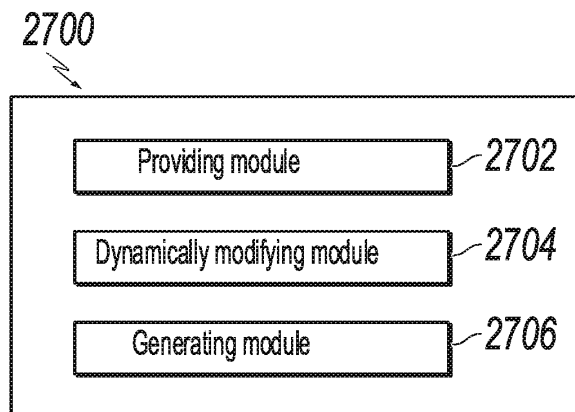


FIG. 27

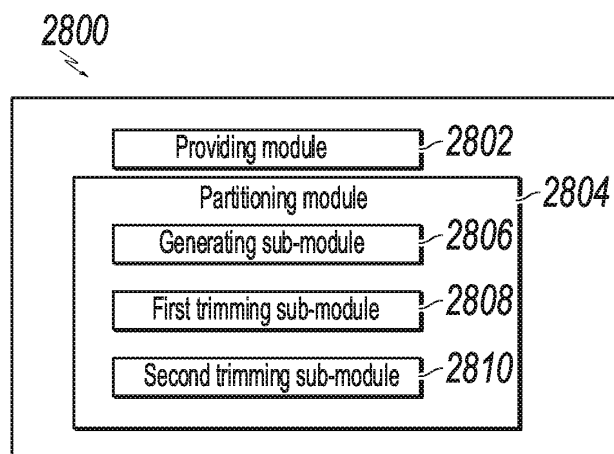


FIG. 28

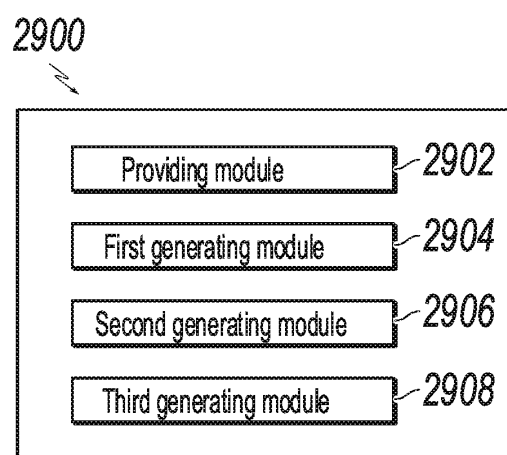


FIG. 29

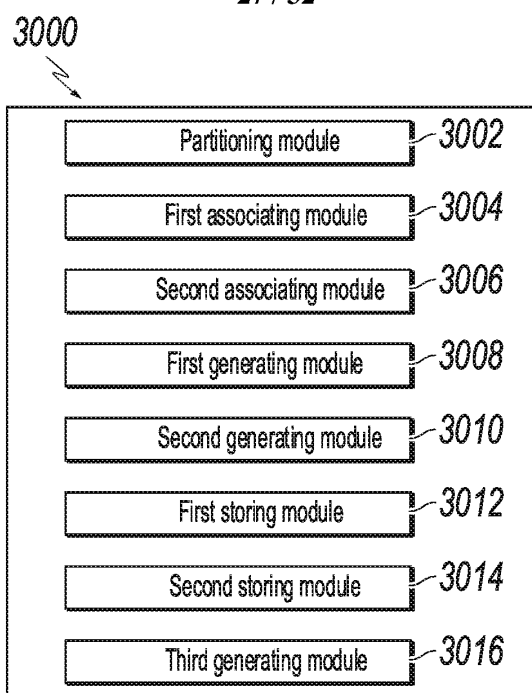


FIG. 30

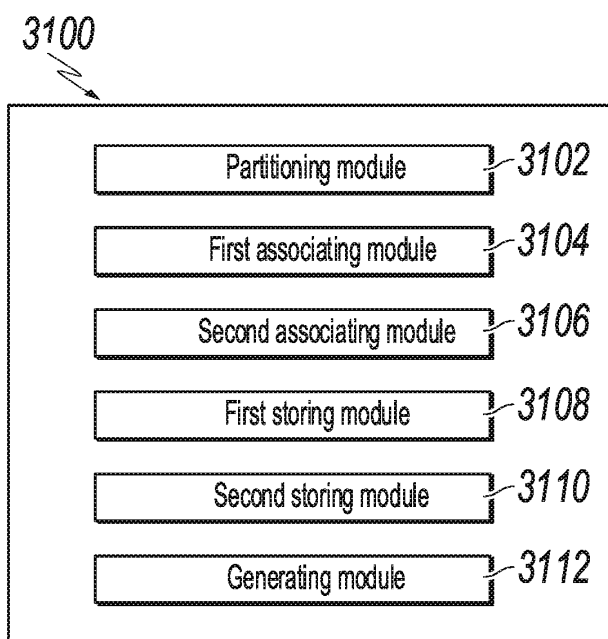


FIG. 31

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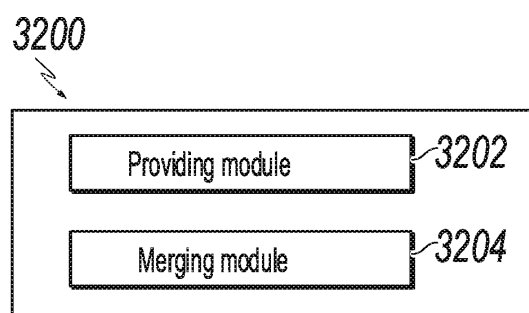


FIG. 32

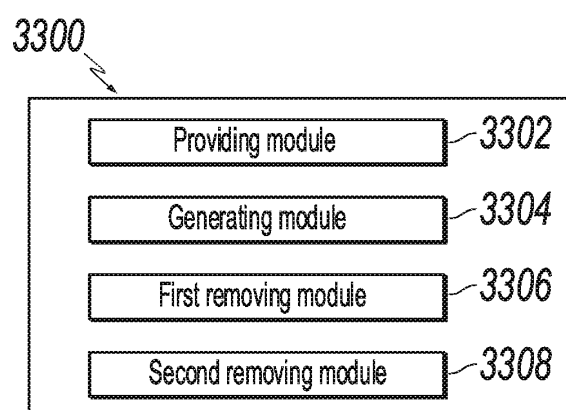


FIG. 33

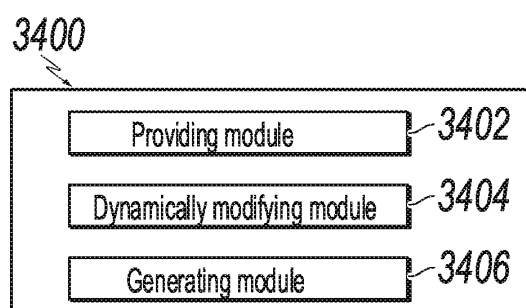


FIG. 34

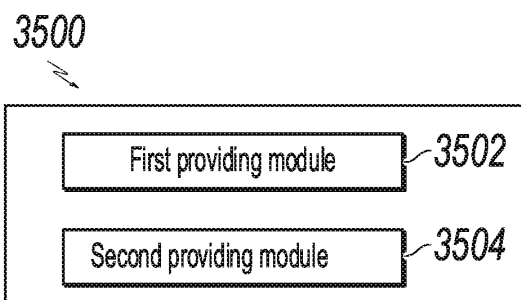


FIG. 35

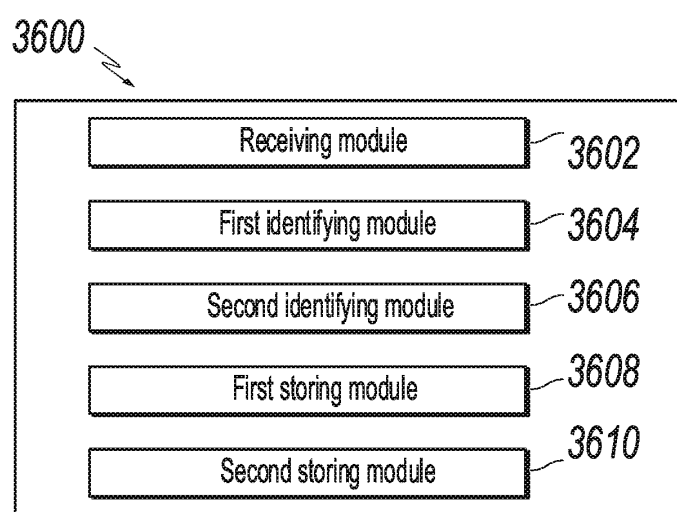


FIG. 36

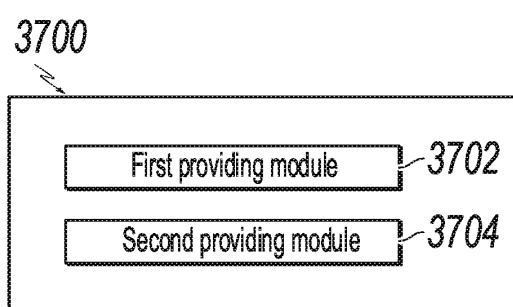


FIG. 37

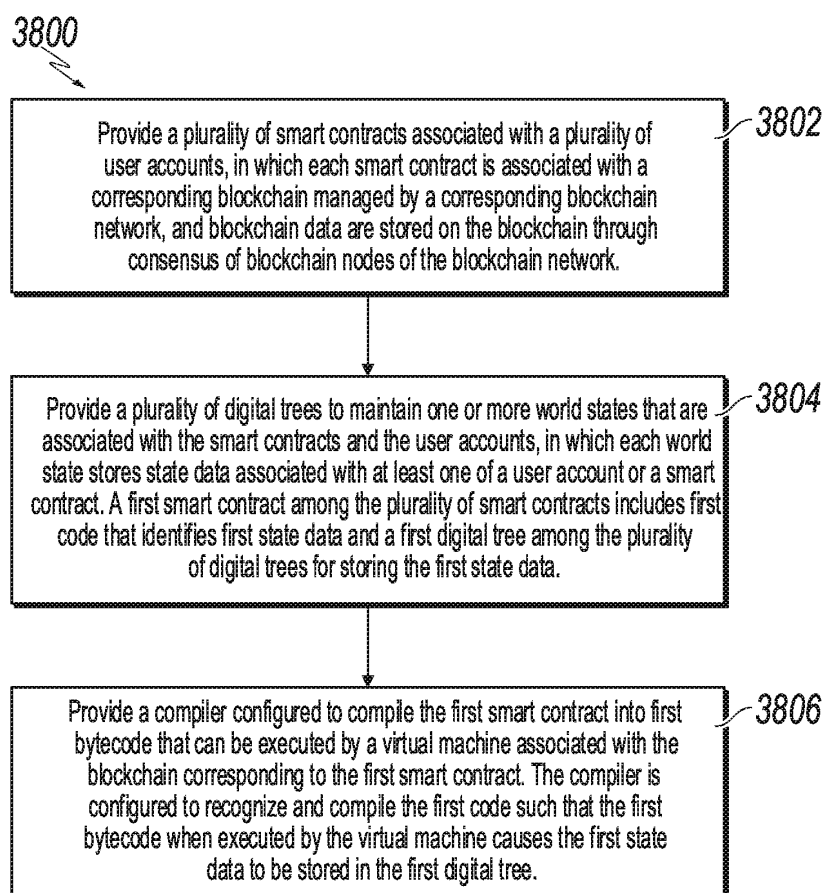


FIG. 38

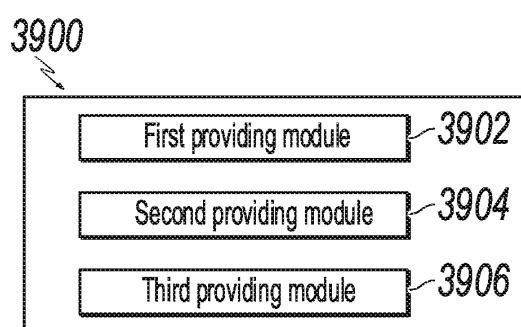


FIG. 39

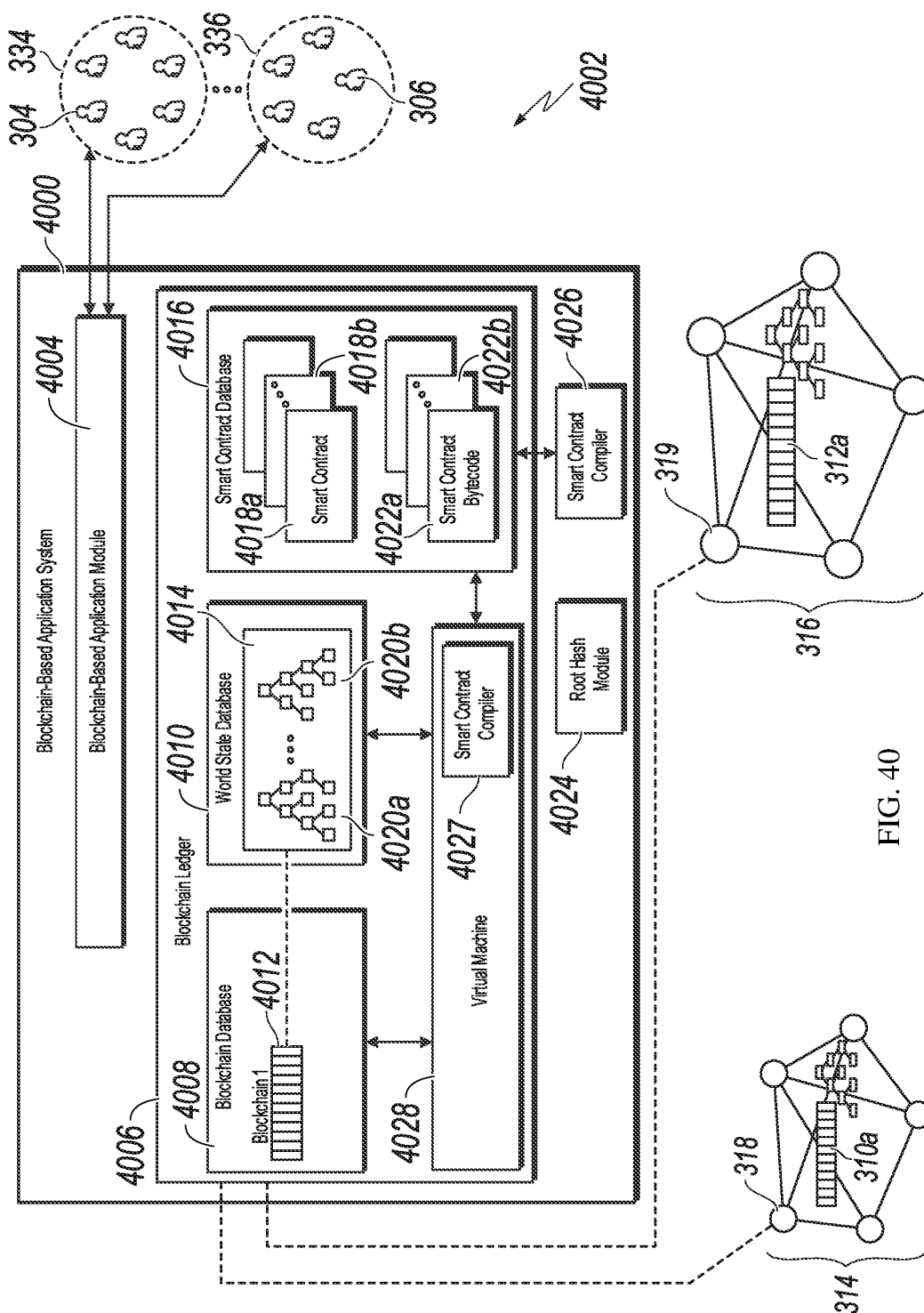


FIG. 40

4100

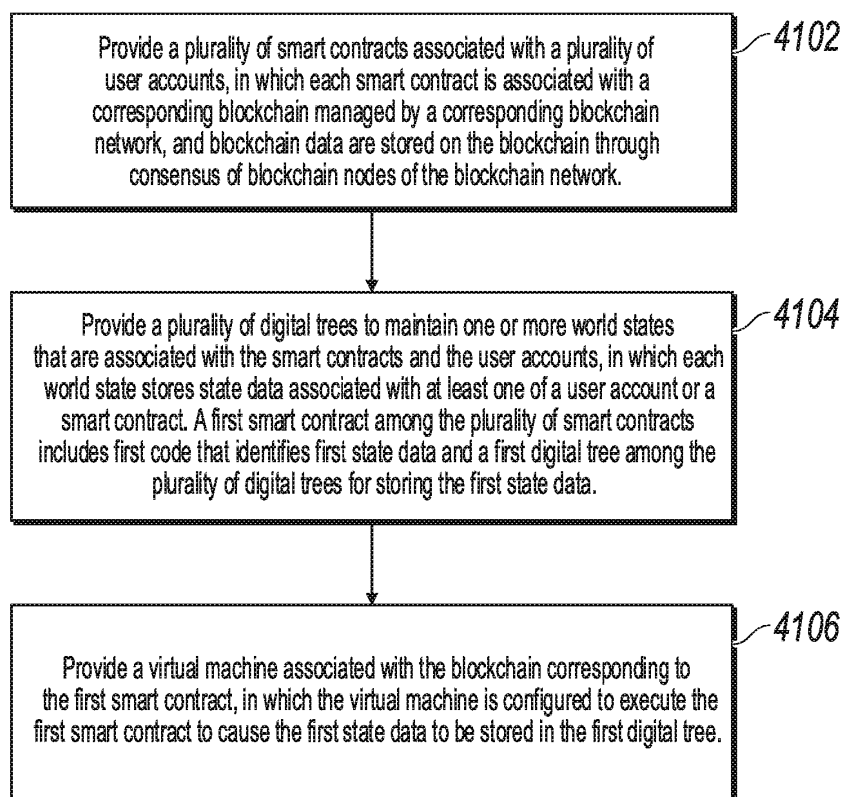


FIG. 41

4200

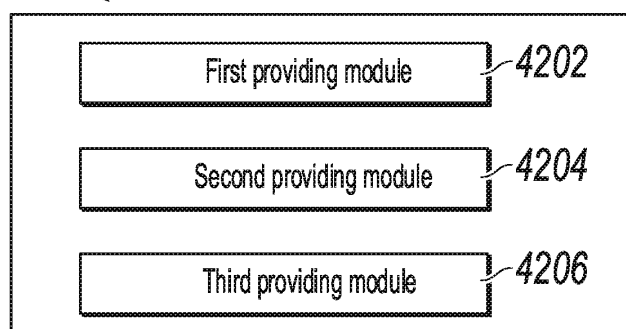


FIG. 42