Device Information

| ID | Tag Name | DEV ID | Data |
|---|---|---|---|
| 1 | TAG001 | DEV001 | |
| 2 | TAG002 | DEV002 | |
| 3 | TAG003 | DEV003 | |
| ... | ... | ... | ... |
| 10 | TAG010 | DEV010 | |
| ... | ... | ... | ... |

Relationship

| Parent ID | Child ID |
|---|---|
| 1 | 2 |
| 3 | 1 |
| ... | ... |
| | |
| | |
| | |

Figure 1

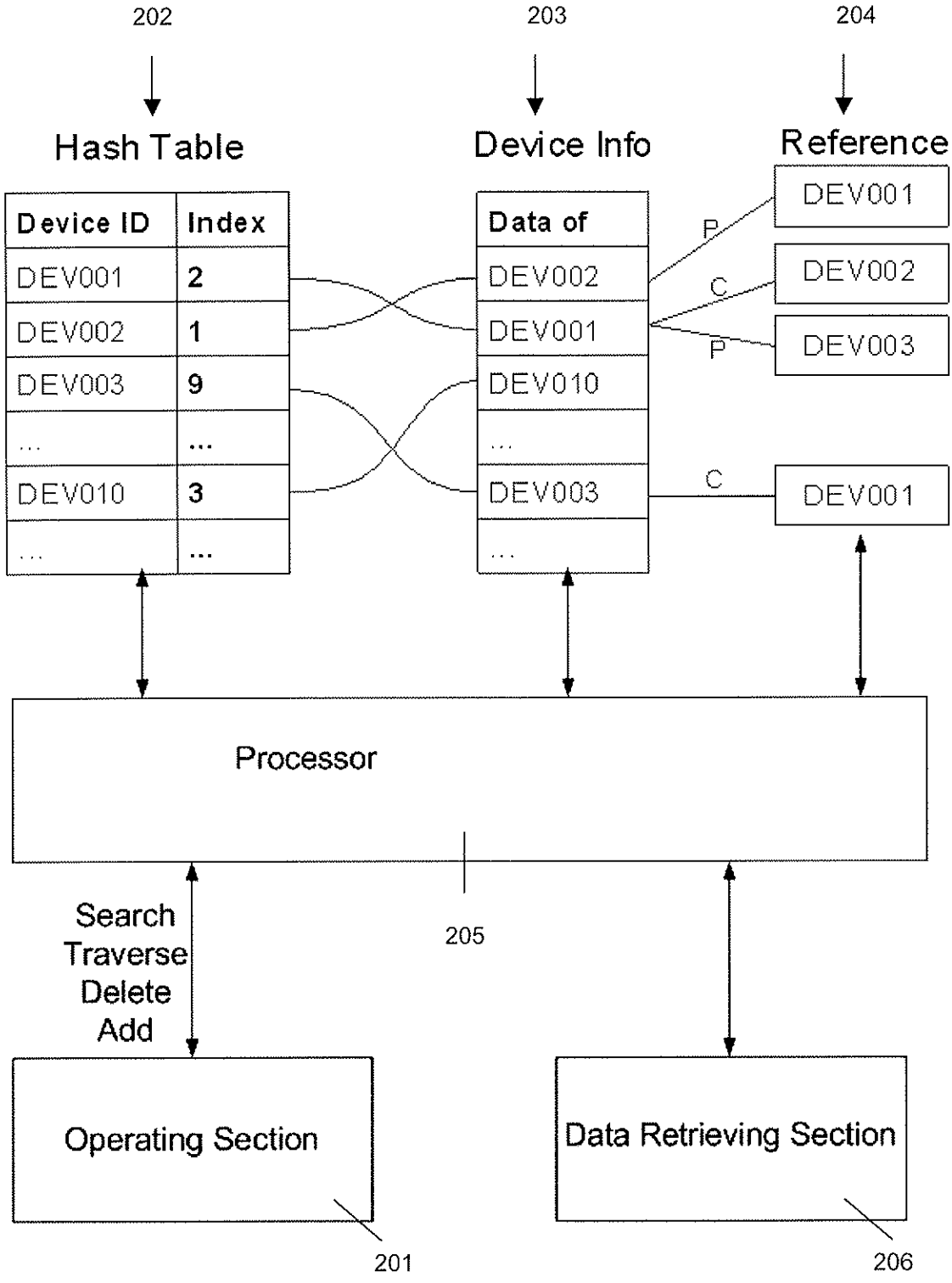

202
203
204
Hash Table
Device Info
Reference
Device ID
Index
DEV001
2
DEV002
1
DEV003
9
...
...
DEV010
3
...
...
Data of
DEV002
DEV001
DEV010
...
DEV003
...
P
C
P
C
DEV001
DEV002
DEV003
DEV001
Processor
205
Search
Traverse
Delete
Add
Operating Section
Data Retrieving Section
201
206

Figure 2

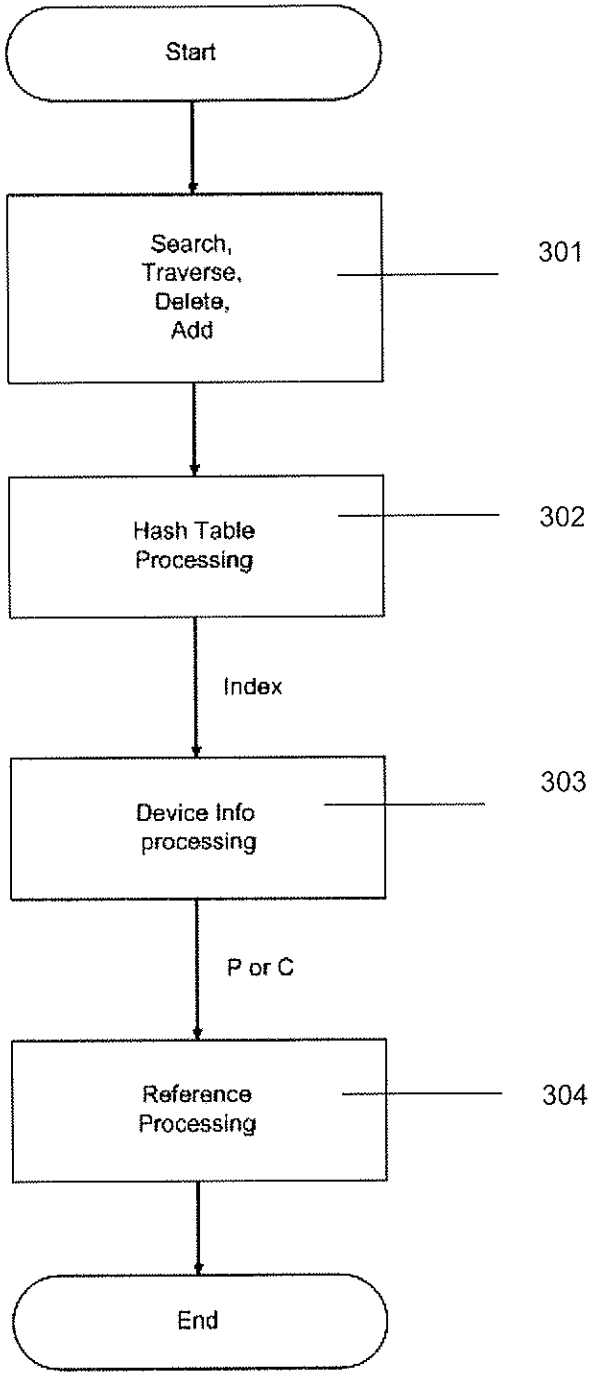

Start
Search,
Traverse,
Delete,
Add
301
Hash Table
Processing
302
Index
Device Info
processing
303
P or C
Reference
Processing
304
End

Figure 3