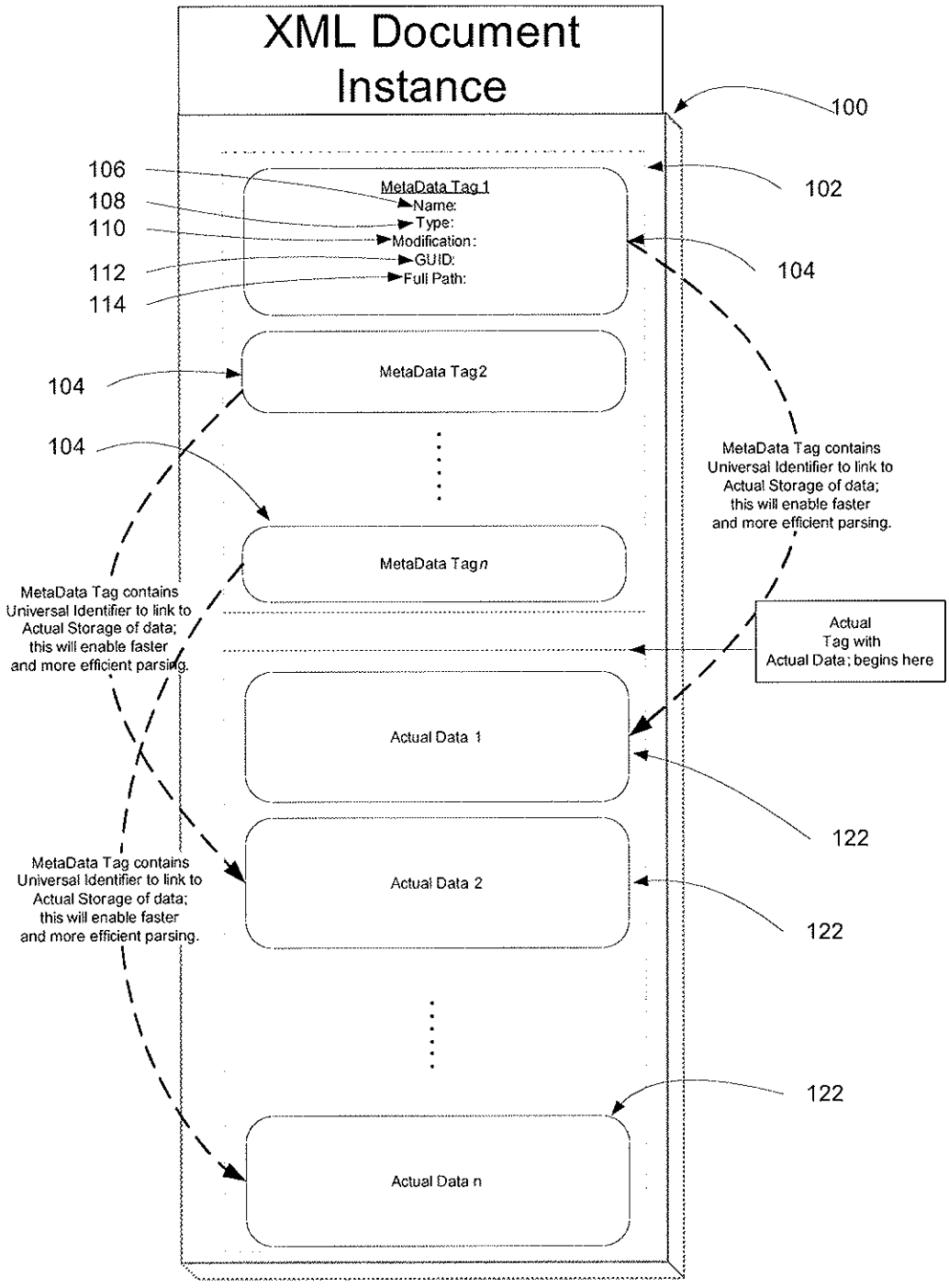

XML Document Instance
100
102
104
106
108
110
112
114
MetaData Tag 1
Name:
Type:
Modification:
GUID:
Full Path:
MetaData Tag2
MetaData Tagn
104
104
MetaData Tag contains Universal Identifier to link to Actual Storage of data; this will enable faster and more efficient parsing.
MetaData Tag contains Universal Identifier to link to Actual Storage of data; this will enable faster and more efficient parsing.
MetaData Tag contains Universal Identifier to link to Actual Storage of data; this will enable faster and more efficient parsing.
Actual Tag with Actual Data; begins here
Actual Data 1
Actual Data 2
Actual Data n
122
122
122

Figure 1

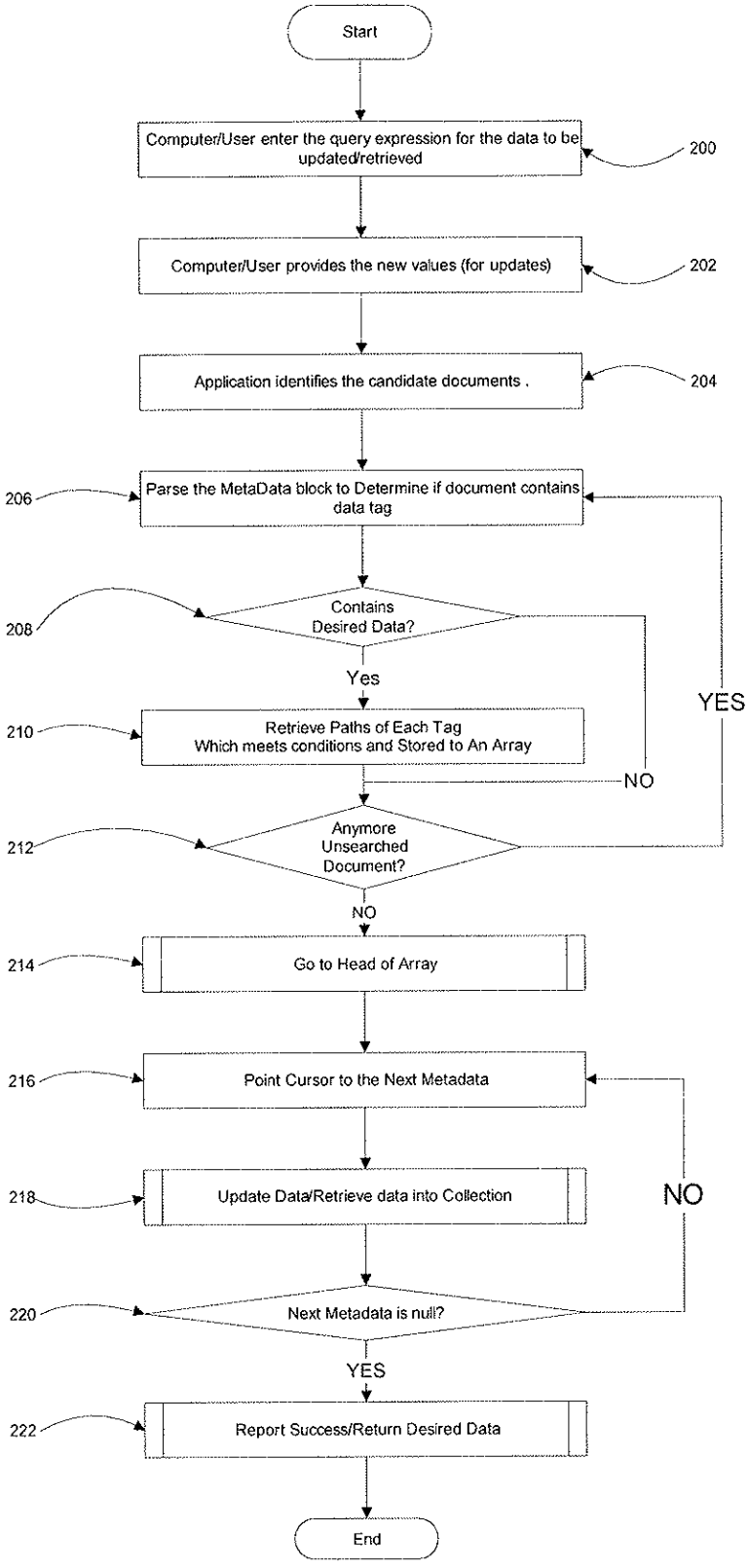

Start
Computer/User enter the query expression for the data to be updated/retrieved
200
Computer/User provides the new values (for updates)
202
Application identifies the candidate documents .
204
206
Parse the MetaData block to Determine if document contains data tag
208
Contains Desired Data?
Yes
NO
YES
210
Retrieve Paths of Each Tag Which meets conditions and Stored to An Array
212
Anymore Unsearched Document?
NO
214
Go to Head of Array
216
Point Cursor to the Next Metadata
218
Update Data/Retrieve data into Collection
NO
220
Next Metadata is null?
YES
222
Report Success/Return Desired Data
End

Figure 2

```
<?xml version="1.0" encoding="UTF-8"?>
<data>
    <NavigationBlock>
        <MetaData   Name="EJX001"
                    Type="Pressure Transmitter"
                    Last_Modification="2006-12-10Z12:00"
                    GUID="AB1222-891008-12000"
                    FullPath="\device\pressur\transmitter\ejx001"/>
        <MetaData   Name="EJX002"
                    Type="Pressure Valve"
                    Last_Modification="2016-12-10Z12:00"
                    GUID="AB1222-89100D-12000"
                    FullPath="\device\pressure\ejx\yokogawa\transmitter\ejx002"/>
    </NavigationBlock>

    <!--Real Data-->

    ...

    ...

    ...

    <device>
        <pressure>
            <ejx>
                <yokogawa>
                    <transmitter>
                        <ejx001 guid="AB1222-891008-12000">
                            ...
                            <!--- Detailed set of data -->
                            ...
                        </ejx001>
                        <ejx002 guid="AB1222-89100D-12000">
                            ...
                            <!--- Detailed set of data -->
                            ...
                        </ejx002>
                    </transmitter>
                </yokogawa>
            </ejx>
        </pressure>
    </device>
</data>
```

Figure 3

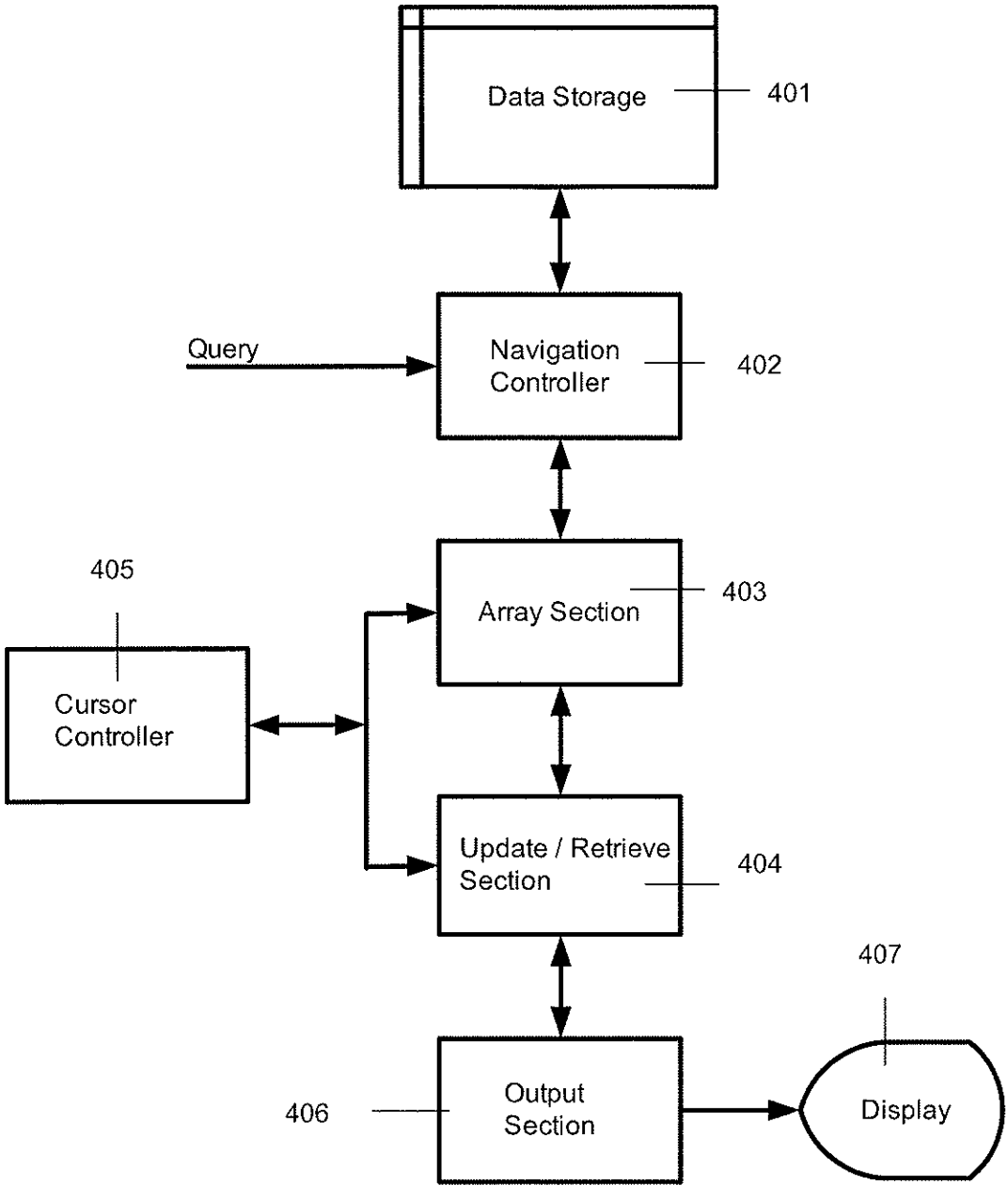

Data Storage
401
Query
Navigation Controller
402
405
Array Section
403
Cursor Controller
Update / Retrieve Section
404
407
406
Output Section
Display

Figure 4