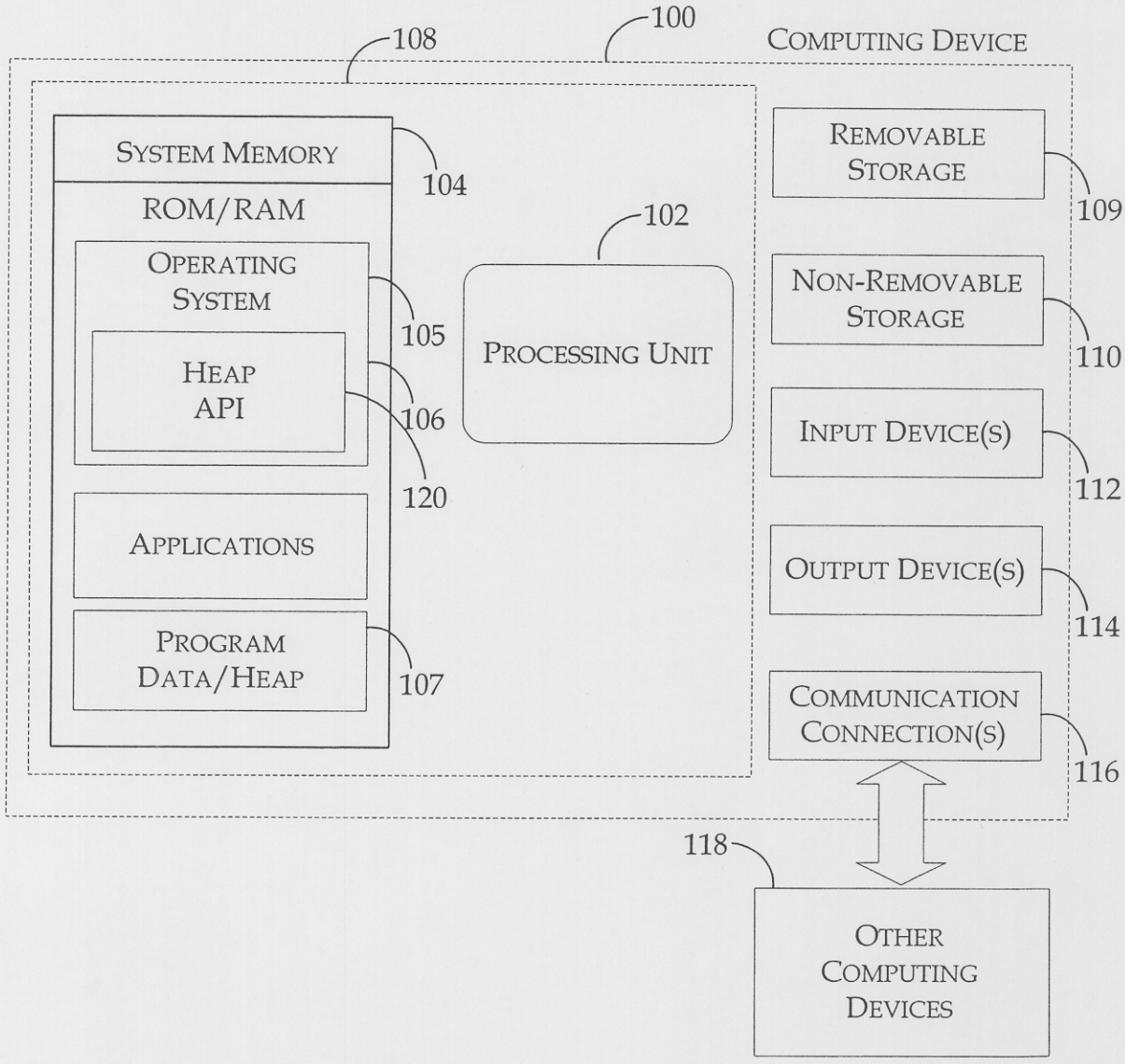

100
COMPUTING DEVICE
108
SYSTEM MEMORY
104
ROM/RAM
OPERATING SYSTEM
105
HEAP API
106
120
APPLICATIONS
PROGRAM DATA/HEAP
107
102
PROCESSING UNIT
REMOVABLE STORAGE
109
NON-REMOVABLE STORAGE
110
INPUT DEVICE(S)
112
OUTPUT DEVICE(S)
114
COMMUNICATION CONNECTION(S)
116
118
OTHER COMPUTING DEVICES

Fig. 1

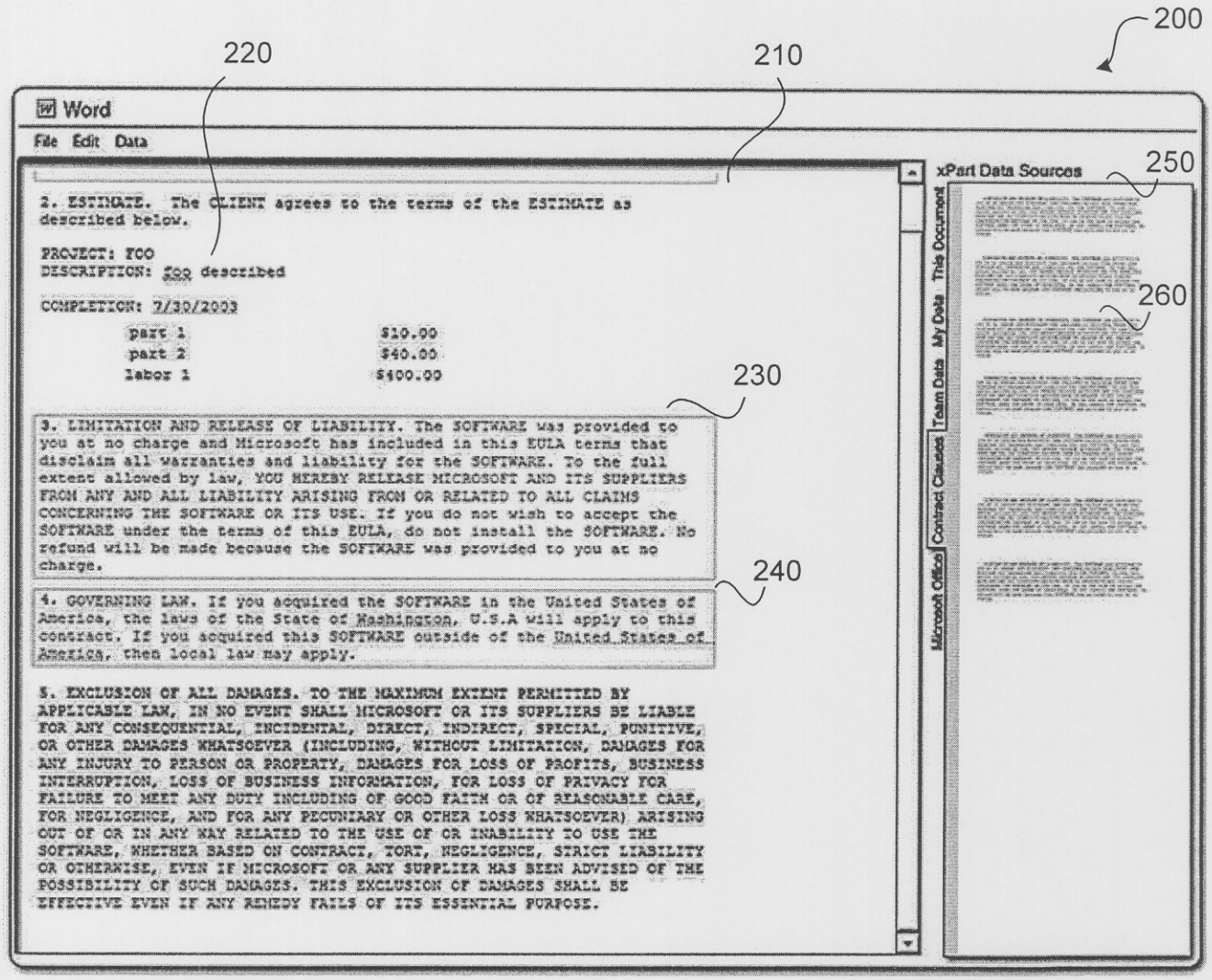

200
220
210
Word
File Edit Data
2. ESTIMATE. The CLIENT agrees to the terms of the ESTIMATE as described below.
PROJECT: FOO
DESCRIPTION: foo described
COMPLETION: 7/30/2003
part 1 $10.00
part 2 $40.00
labor 1 $400.00
230
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240
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xPart Data Sources
250
260
This Document
My Data
Team Data
Contract Clauses
Microsoft Office

Fig. 2

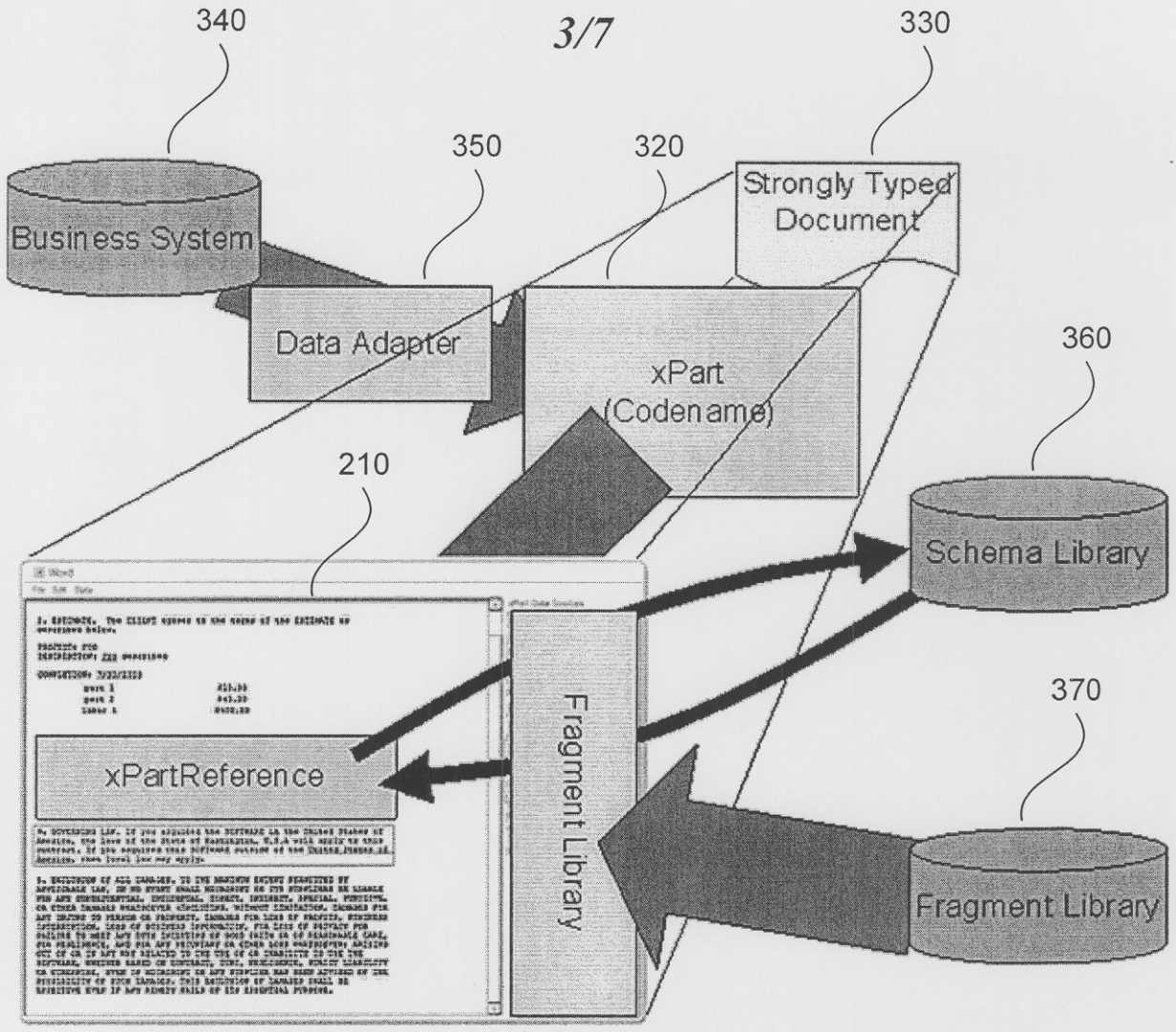

340
330
350
320
Business System
Strongly Typed Document
Data Adapter
xPart (Codename)
360
210
Schema Library
xPartReference
Fragment Library
370
Fragment Library

Fig. 3

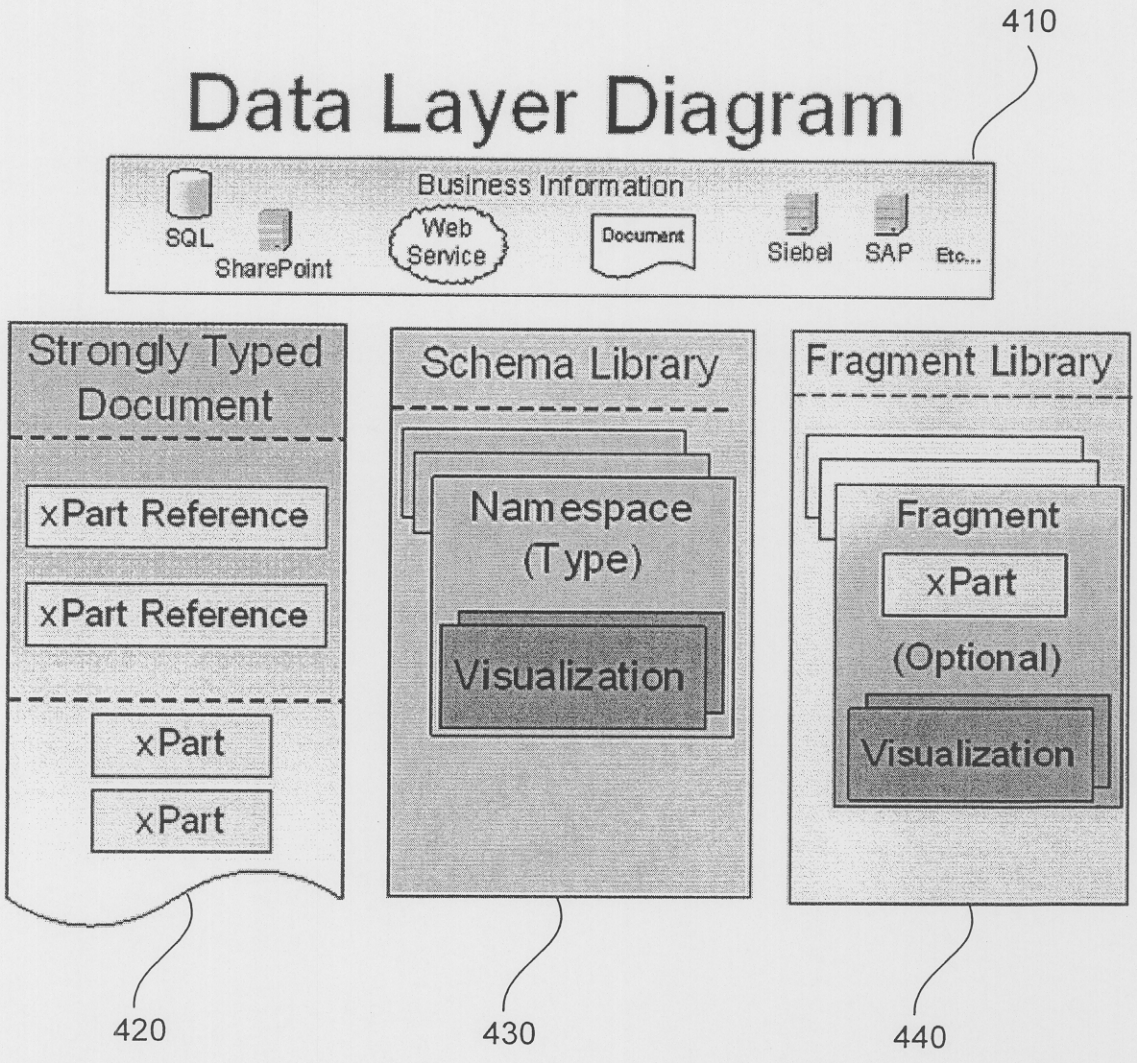

410
Data Layer Diagram
Business Information
SQL
SharePoint
Web Service
Document
Siebel
SAP
Etc...
Strongly Typed Document
xPart Reference
xPart Reference
xPart
xPart
Schema Library
Namespace (Type)
Visualization
Fragment Library
Fragment
xPart
(Optional)
Visualization
420
430
440

Fig. 4

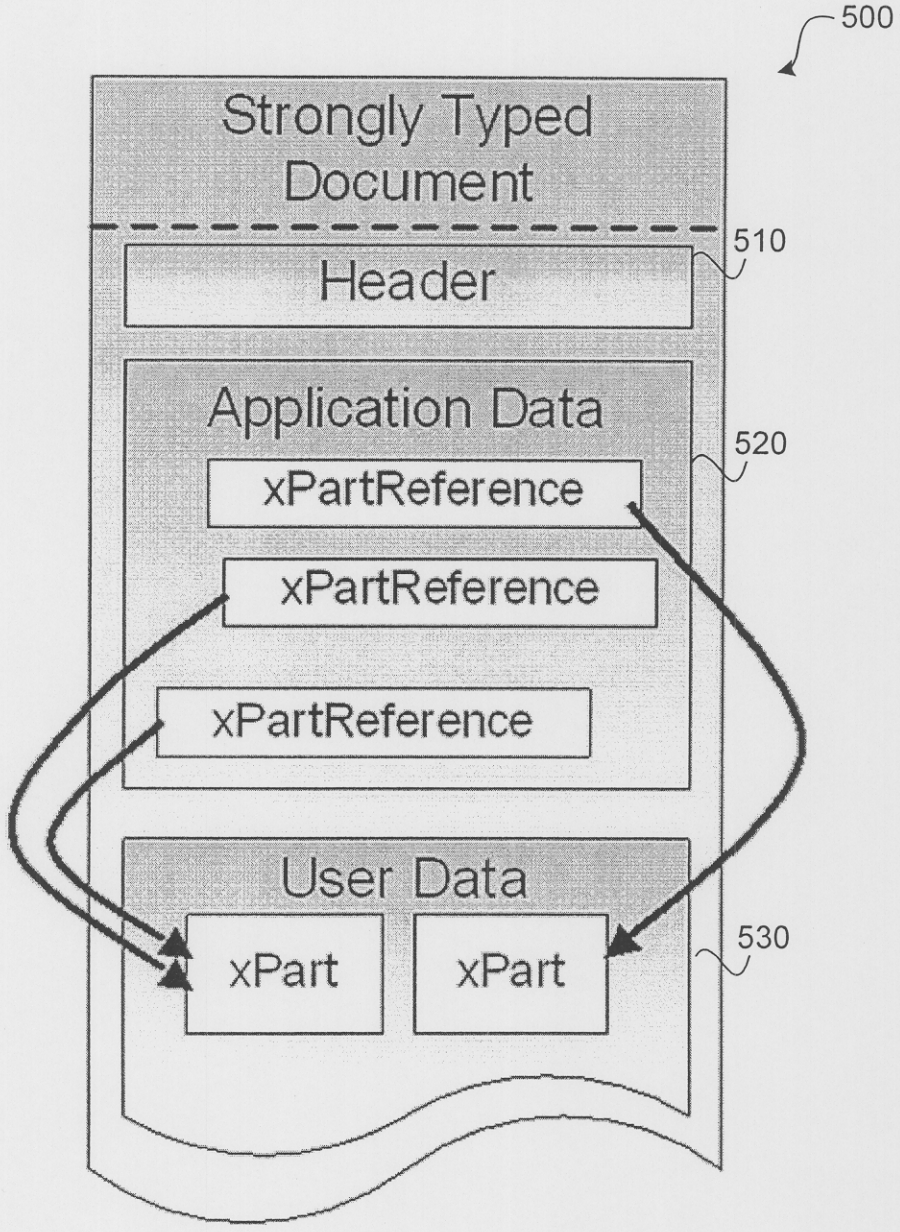

500
Strongly Typed Document
510
Header
Application Data
520
xPartReference
xPartReference
xPartReference
User Data
530
xPart
xPart

Fig. 5

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>                    600
<?mso-application progid="Word.Document"?>
<msoe:officeEnvelope xmlns:msoe=
“http://schemas.microsoft.com/office/officeEnvelope”>
    <msoe:header>
      <msodlc:signature xmlns:msodlc=””>                                   610
      </msodlc:signature>
    </msoe:header>
    <msoe:applicationData>                                    620
      <w:wordDocument
 xmlns:w=”http://schemas.microsoft.com/office/word/2003/wordml”>
            <w:p>
            </w:p>                                                         630
            <msoe:xPartReference idref=”707”> ...
</msoe:xPartReference>
            <w:p>
            </w:p>
      </w:wordDocument>
    <msoe:applicationData>                                    640
    <msoe:userData>                                                        650
      <msoe:xPart mainPart=”Yes” id=”707”
    payloadns=http://www.domainname.com/schemas/statusReport>
      ...
      </msoe:xPart>
      <msoe:xPart
      Payloadns=http://www.domainname.com/schemas/prices>
      ...
      <msoe:xPart>
      </msoe:userData>
</msoe:officeEnvelope>
```

Fig. 6

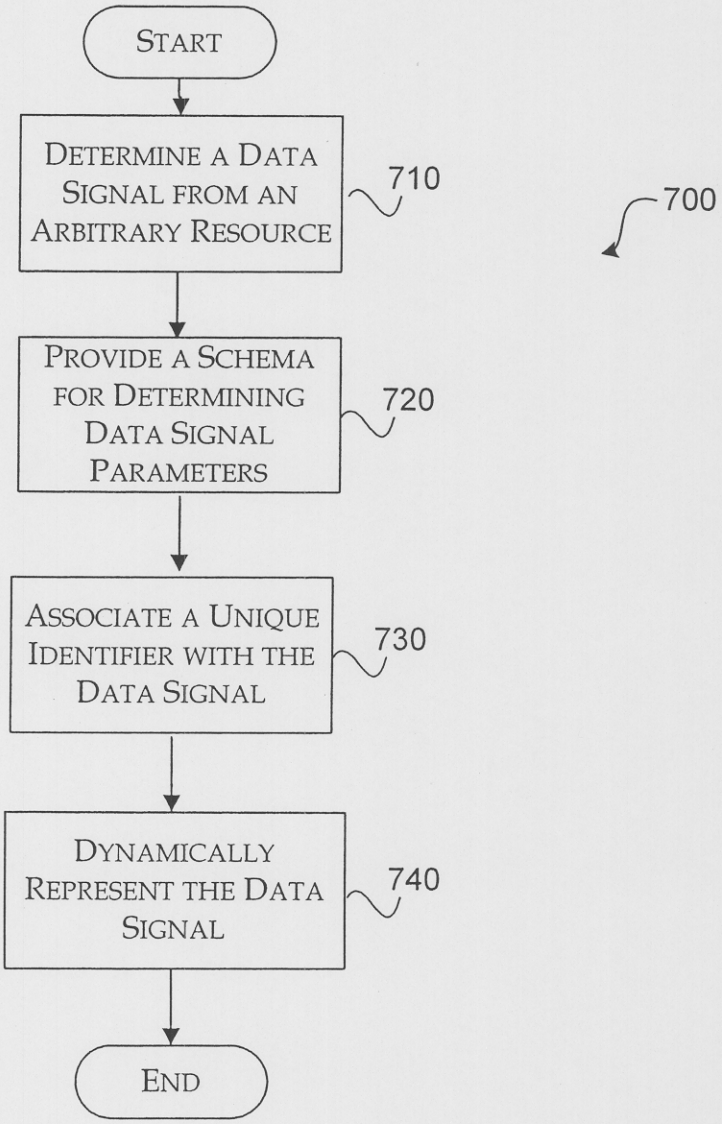

START
DETERMINE A DATA SIGNAL FROM AN ARBITRARY RESOURCE
710
700
PROVIDE A SCHEMA FOR DETERMINING DATA SIGNAL PARAMETERS
720
ASSOCIATE A UNIQUE IDENTIFIER WITH THE DATA SIGNAL
730
DYNAMICALLY REPRESENT THE DATA SIGNAL
740
END

Fig. 7