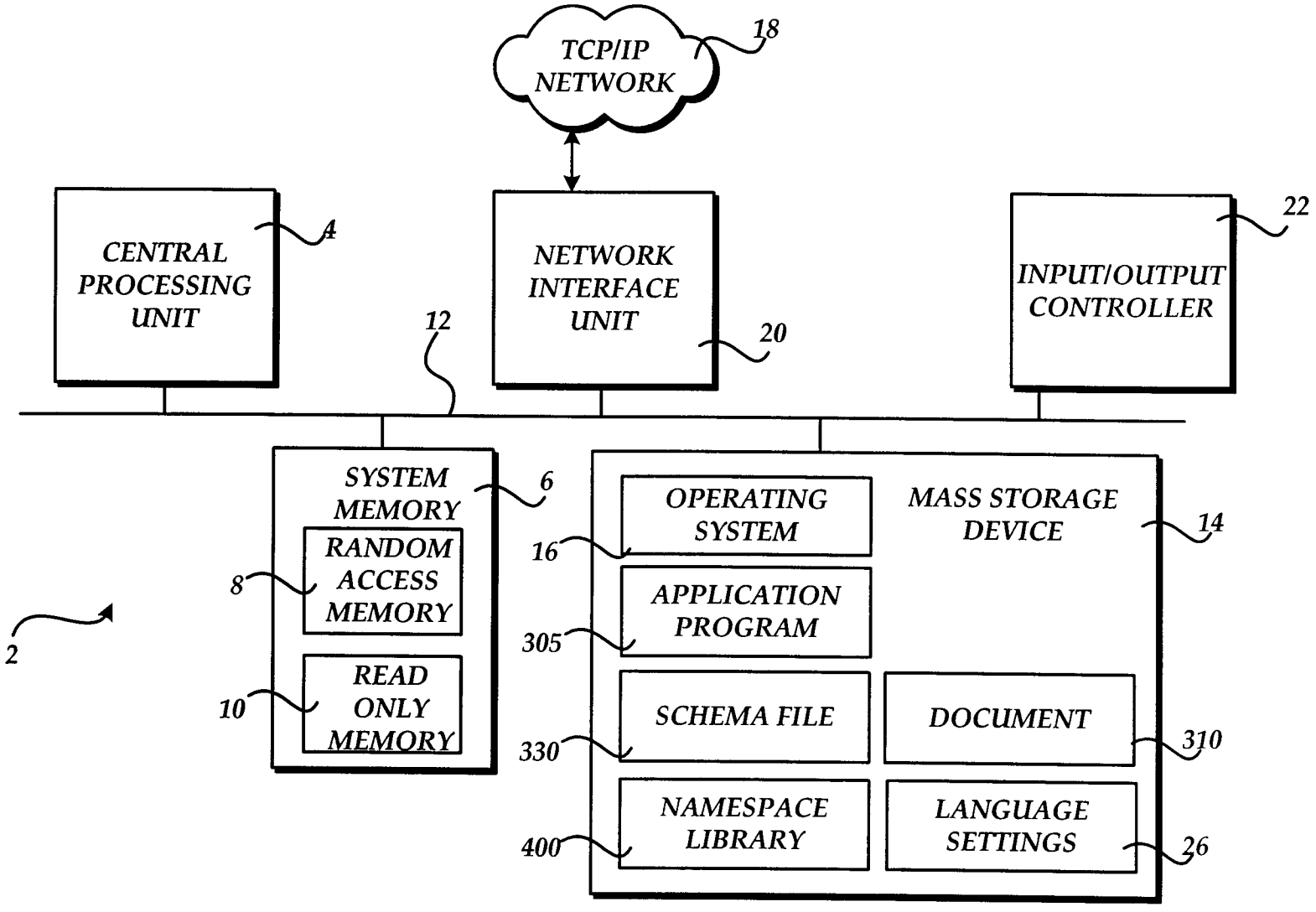

TCP/IP NETWORK
18
CENTRAL PROCESSING UNIT
4
NETWORK INTERFACE UNIT
20
INPUT/OUTPUT CONTROLLER
22
12
SYSTEM MEMORY
6
RANDOM ACCESS MEMORY
8
READ ONLY MEMORY
10
2
OPERATING SYSTEM
16
MASS STORAGE DEVICE
14
APPLICATION PROGRAM
305
SCHEMA FILE
330
DOCUMENT
310
NAMESPACE LIBRARY
400
LANGUAGE SETTINGS
26

Fig. 1

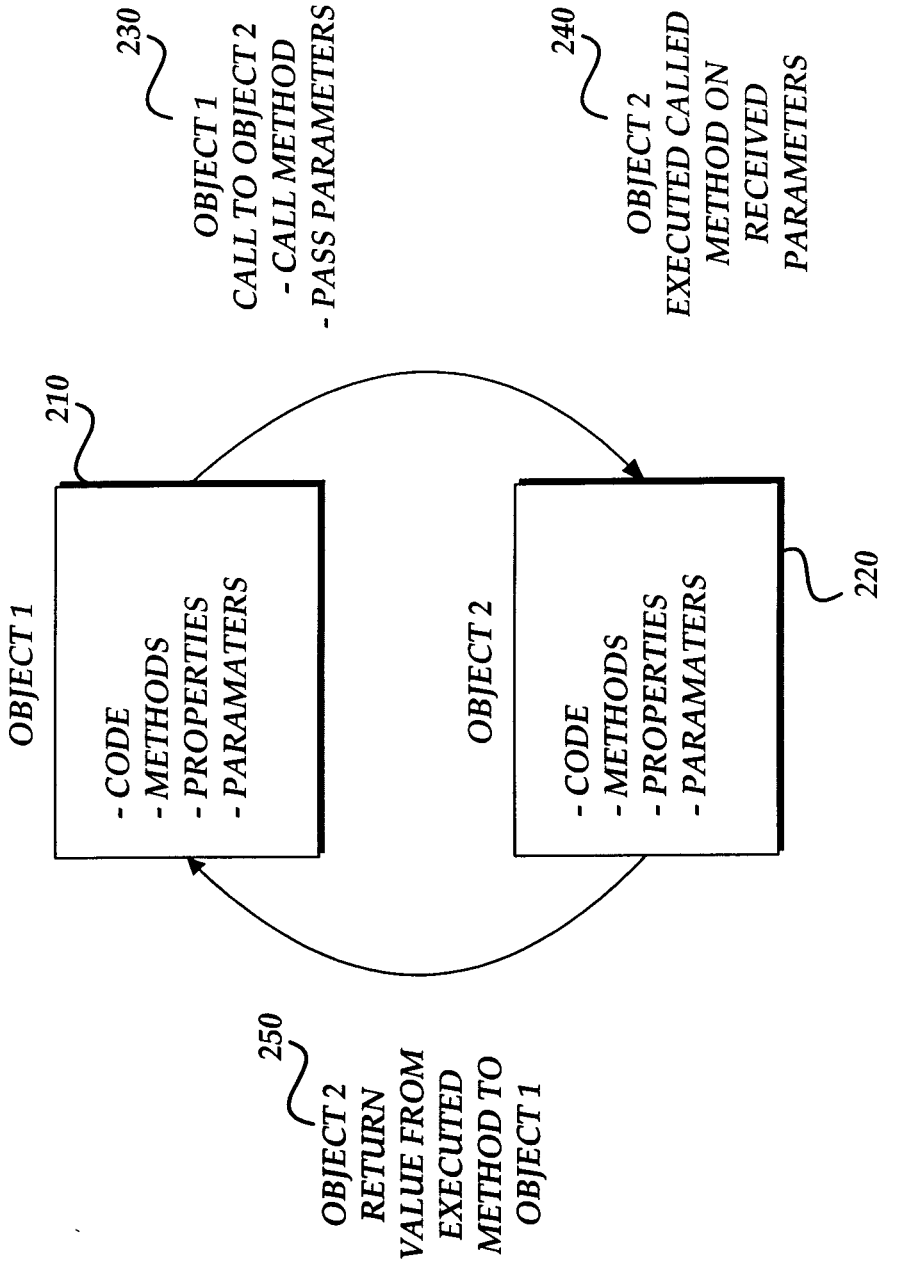

230
OBJECT 1
CALL TO OBJECT 2
- CALL METHOD
- PASS PARAMETERS
240
OBJECT 2
EXECUTED CALLED
METHOD ON
RECEIVED
PARAMETERS
210
OBJECT 1
- CODE
- METHODS
- PROPERTIES
- PARAMATERS
OBJECT 2
- CODE
- METHODS
- PROPERTIES
- PARAMATERS
220
250
OBJECT 2
RETURN
VALUE FROM
EXECUTED
METHOD TO
OBJECT 1

Fig. 2

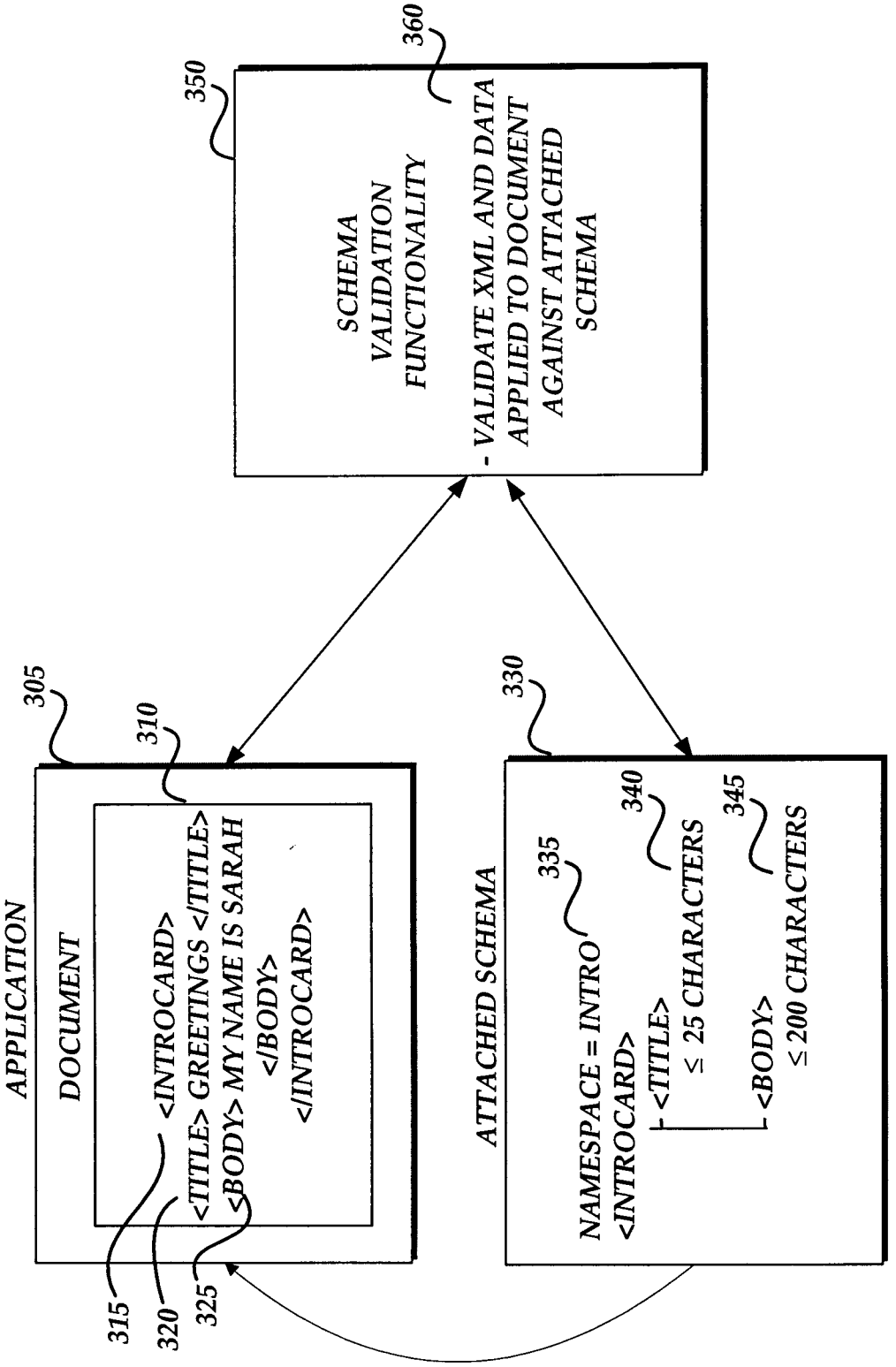

350
360
SCHEMA VALIDATION FUNCTIONALITY
- VALIDATE XML AND DATA APPLIED TO DOCUMENT AGAINST ATTACHED SCHEMA
305
310
APPLICATION
DOCUMENT
<INTROCARD>
<TITLE> GREETINGS </TITLE>
<BODY> MY NAME IS SARAH
</BODY>
</INTROCARD>
315
320
325
330
ATTACHED SCHEMA
335
NAMESPACE = INTRO
<INTROCARD>
340
<TITLE>
≤ 25 CHARACTERS
345
<BODY>
≤ 200 CHARACTERS

Fig. 3

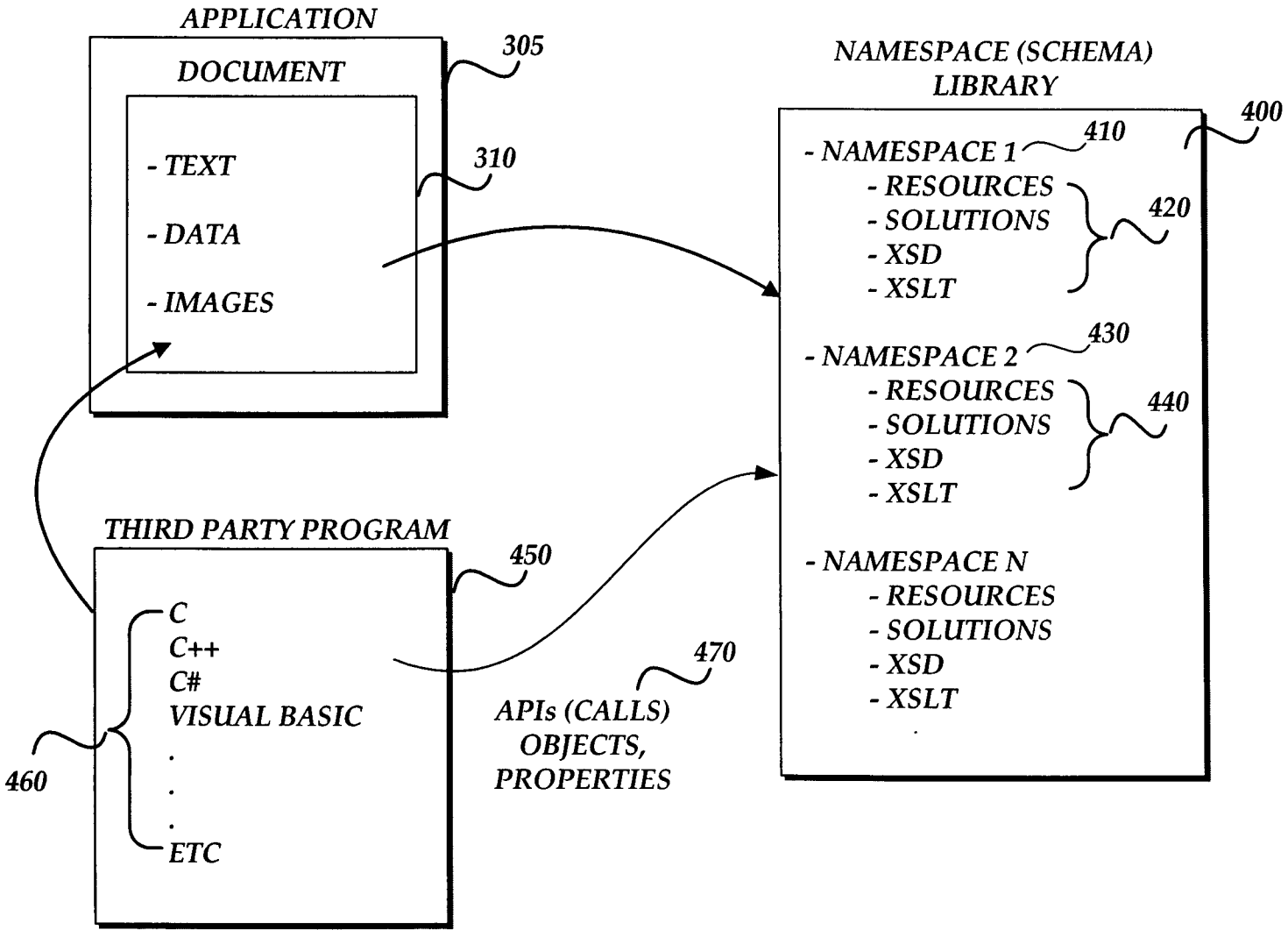

APPLICATION
DOCUMENT
305
- TEXT
- DATA
- IMAGES
310
NAMESPACE (SCHEMA)
LIBRARY
400
- NAMESPACE 1
410
- RESOURCES
- SOLUTIONS
- XSD
- XSLT
420
- NAMESPACE 2
430
- RESOURCES
- SOLUTIONS
- XSD
- XSLT
440
- NAMESPACE N
- RESOURCES
- SOLUTIONS
- XSD
- XSLT
THIRD PARTY PROGRAM
450
C
C++
C#
VISUAL BASIC
.
.
.
ETC
460
APIs (CALLS)
OBJECTS,
PROPERTIES
470

Fig. 4