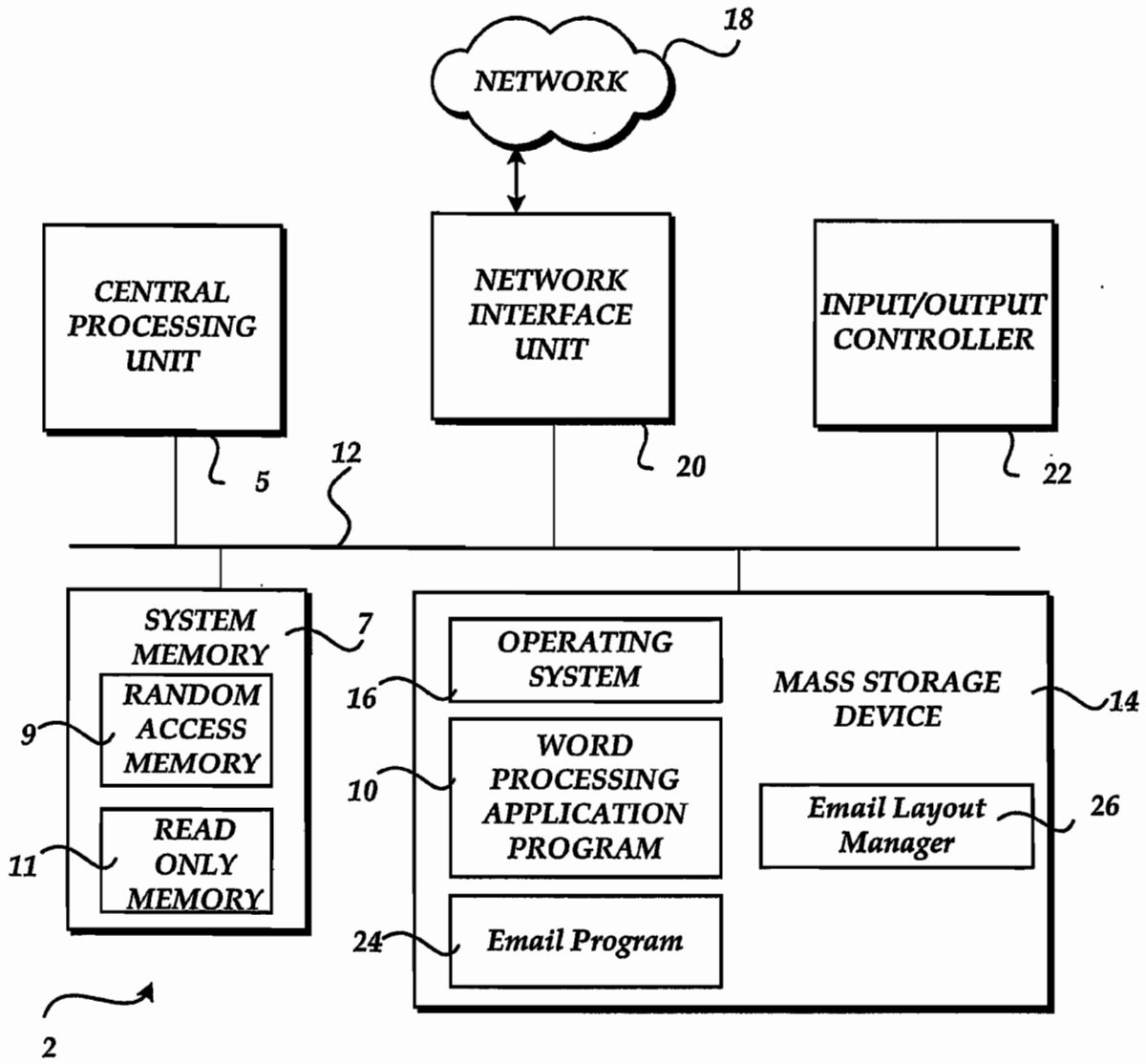

NETWORK
18
CENTRAL PROCESSING UNIT
NETWORK INTERFACE UNIT
INPUT/OUTPUT CONTROLLER
5
12
20
22
SYSTEM MEMORY
7
RANDOM ACCESS MEMORY
9
READ ONLY MEMORY
11
OPERATING SYSTEM
16
WORD PROCESSING APPLICATION PROGRAM
10
Email Program
24
MASS STORAGE DEVICE
14
Email Layout Manager
26
2

Fig.1.

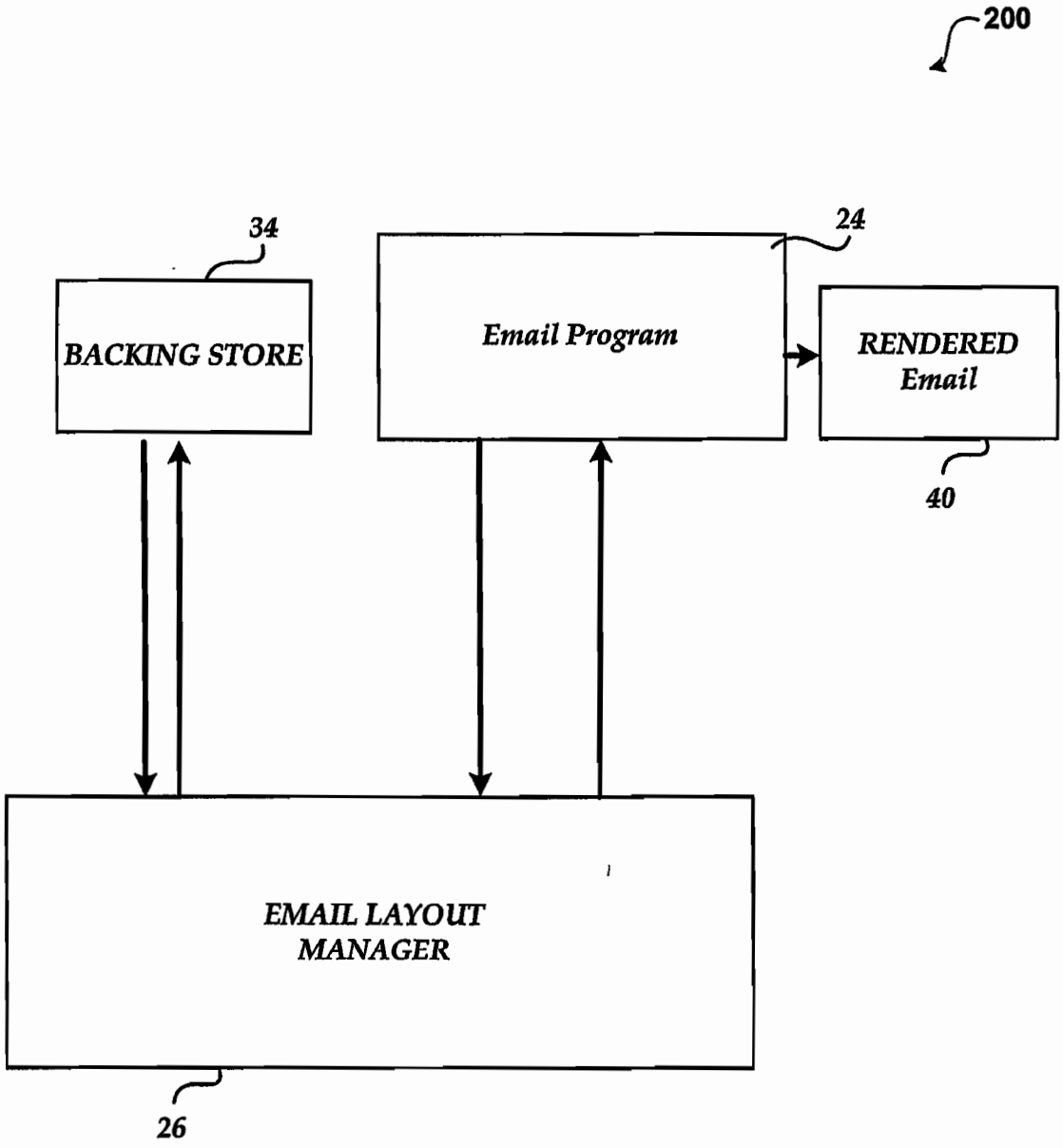

200
34
BACKING STORE
24
Email Program
RENDERED
Email
40
EMAIL LAYOUT
MANAGER
26

Fig. 2

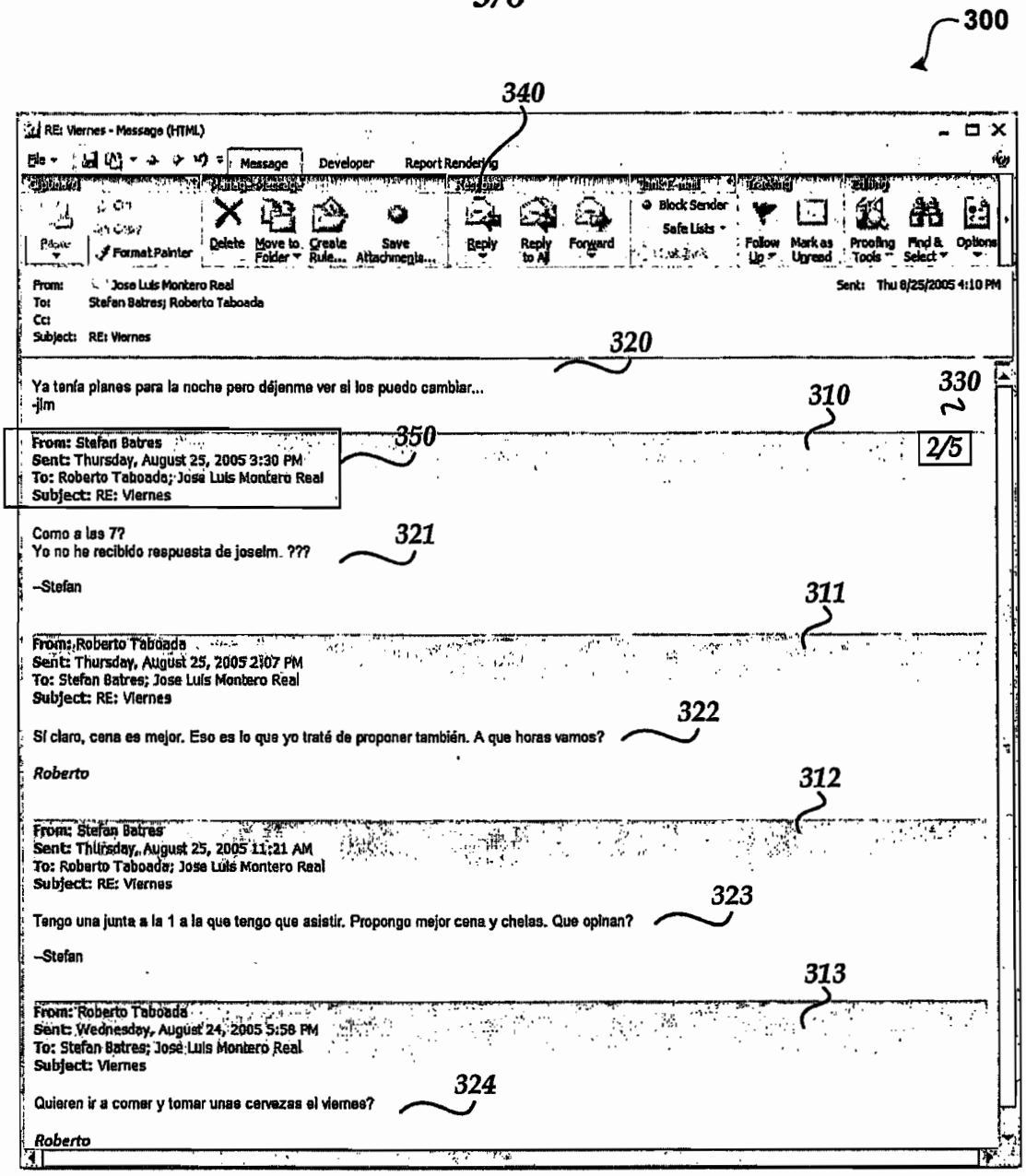

300
340
RE: Viernes - Message (HTML)
Message
Developer
Report Rendering
Delete
Move to Folder
Create Rule...
Save Attachments...
Reply
Reply to All
Forward
Block Sender
Safe Lists
Follow Up
Mark as Unread
Proofing Tools
Find & Select
Options
Format Painter
From: Jose Luis Montero Real
To: Stefan Batres; Roberto Taboada
Cc:
Subject: RE: Viernes
Sent: Thu 8/25/2005 4:10 PM
320
Ya tenía planes para la noche pero déjenme ver si los puedo cambiar...
-jlm
310
330
2/5
350
From: Stefan Batres
Sent: Thursday, August 25, 2005 3:30 PM
To: Roberto Taboada; Jose Luis Montero Real
Subject: RE: Viernes
Como a las 7?
Yo no he recibido respuesta de joselm. ???
321
--Stefan
311
From: Roberto Taboada
Sent: Thursday, August 25, 2005 2:07 PM
To: Stefan Batres; Jose Luis Montero Real
Subject: RE: Viernes
322
Sí claro, cena es mejor. Eso es lo que yo traté de proponer también. A que horas vamos?
Roberto
312
From: Stefan Batres
Sent: Thursday, August 25, 2005 11:21 AM
To: Roberto Taboada; Jose Luis Montero Real
Subject: RE: Viernes
323
Tengo una junta a la 1 a la que tengo que asistir. Propongo mejor cena y chelas. Que opinan?
--Stefan
313
From: Roberto Taboada
Sent: Wednesday, August 24, 2005 5:58 PM
To: Stefan Batres; Jose Luis Montero Real
Subject: Viernes
324
Quieren ir a comer y tomar unas cervezas el viernes?
Roberto

Fig. 3

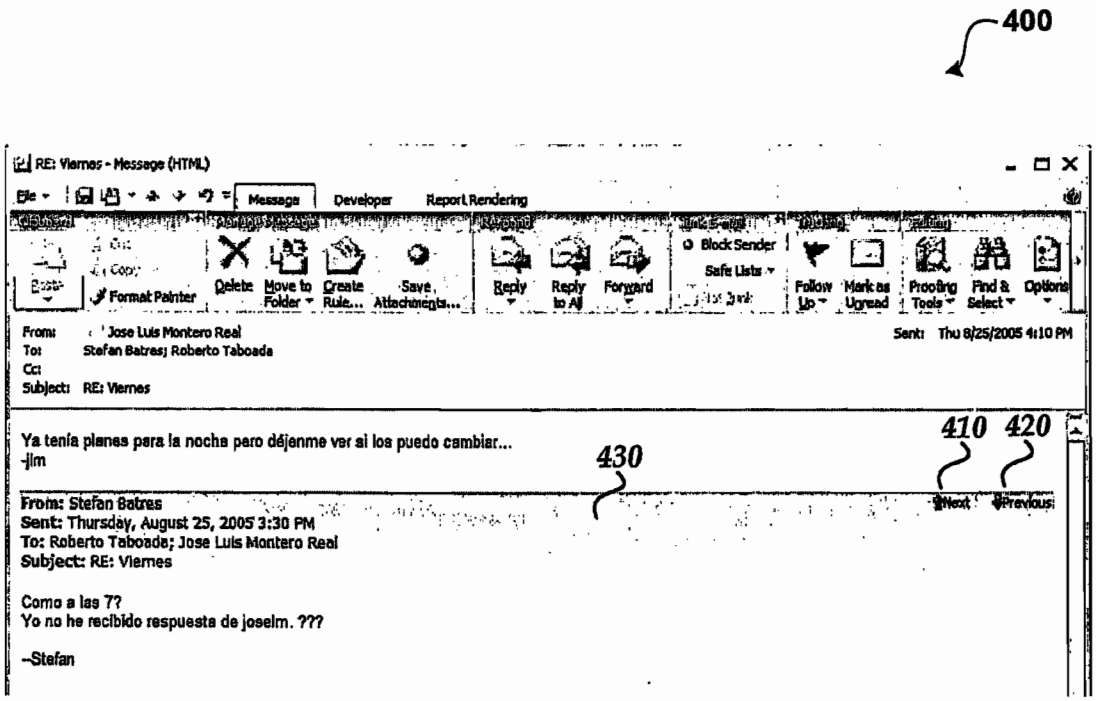

400
RE: Viernes - Message (HTML)
File
Message
Developer
Report Rendering
Paste
Copy
Format Painter
Delete
Move to Folder
Create Rule...
Save Attachments...
Reply
Reply to All
Forward
Block Sender
Safe Lists
Follow Up
Mark as Unread
Proofing Tools
Find & Select
Options
From: Jose Luis Montero Real
To: Stefan Batres; Roberto Taboada
Cc:
Subject: RE: Viernes
Sent: Thu 8/25/2005 4:10 PM
Ya tenía planes para la noche pero déjenme ver si los puedo cambiar...
-jlm
410
420
430
Next
Previous
From: Stefan Batres
Sent: Thursday, August 25, 2005 3:30 PM
To: Roberto Taboada; Jose Luis Montero Real
Subject: RE: Viernes
Como a las 7?
Yo no he recibido respuesta de joselm. ???
--Stefan

Fig. 4

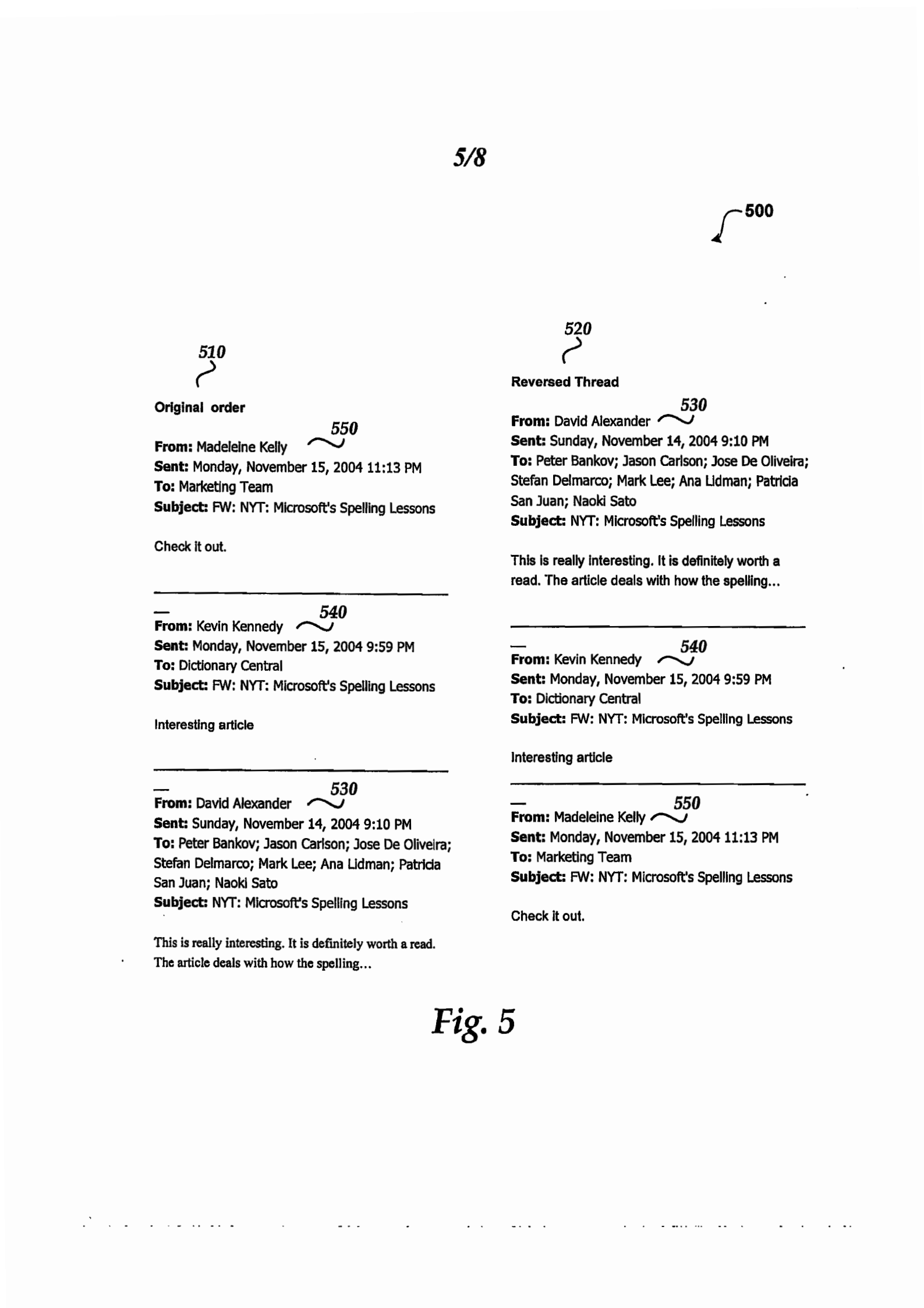

500
510
Original order
550
From: Madeleine Kelly
Sent: Monday, November 15, 2004 11:13 PM
To: Marketing Team
Subject: FW: NYT: Microsoft's Spelling Lessons
Check it out.
540
From: Kevin Kennedy
Sent: Monday, November 15, 2004 9:59 PM
To: Dictionary Central
Subject: FW: NYT: Microsoft's Spelling Lessons
Interesting article
530
From: David Alexander
Sent: Sunday, November 14, 2004 9:10 PM
To: Peter Bankov; Jason Carlson; Jose De Oliveira; Stefan Delmarco; Mark Lee; Ana Lidman; Patricia San Juan; Naoki Sato
Subject: NYT: Microsoft's Spelling Lessons
This is really interesting. It is definitely worth a read. The article deals with how the spelling...
520
Reversed Thread
530
From: David Alexander
Sent: Sunday, November 14, 2004 9:10 PM
To: Peter Bankov; Jason Carlson; Jose De Oliveira; Stefan Delmarco; Mark Lee; Ana Lidman; Patricia San Juan; Naoki Sato
Subject: NYT: Microsoft's Spelling Lessons
This is really interesting. It is definitely worth a read. The article deals with how the spelling...
540
From: Kevin Kennedy
Sent: Monday, November 15, 2004 9:59 PM
To: Dictionary Central
Subject: FW: NYT: Microsoft's Spelling Lessons
Interesting article
550
From: Madeleine Kelly
Sent: Monday, November 15, 2004 11:13 PM
To: Marketing Team
Subject: FW: NYT: Microsoft's Spelling Lessons
Check it out.

Fig. 5

600

610

620

Sample EmailI have no idea. You pick!
Deb.

From: Roberto Taboada
Sent: Friday, October 22, 2004 2:01 PM
To: Deborah Harris
Subject: Dinner

Where do you want to go for dinner?
Roberto

XML Markup<html
xmlns:e="urn:schemas-microsoft-com:office:mailheader">
<e:m>I have no idea. You pick!
Deb.</e:m>
<e:m>---

<e:f>**From:** <e:v>Roberto Taboada</e:v></e:f>
<e:s>**Sent:** <e:v>Friday, October 22, 2004 2:01 PM</e:v></e:s>
<e:t>**To:** <e:v>Deborah Harris<e:v></e:t>
<e:a>**Subject:** <e:v>Dinner</e:v></e:a>

Where do you want to go for dinner?
Roberto</e:m>

Fig. 6

710

720

700

Sample Email Here it is

From: Madeleine Kelly
Sent: Monday, November 15, 2004 11:13 PM
To: Marketing Team
Subject: FW: NYT: Microsoft's Spelling Lessons

Check it out.

From: Kevin Kennedy
Sent: Monday, November 15, 2004 9:59 PM
To: Dictionary Central
Subject: FW: NYT: Microsoft's Spelling Lessons

Interesting article

From: David Alexander
Sent: Sunday, November 14, 2004 9:10 PM
To: Peter Bankov; Jason Carlson; Jose De Oliveira; Stefan Delmarco; Mark Lee; Ana Lidman; Patricia San Juan; Naoki Sato
Subject: NYT: Microsoft's Spelling Lessons

This is really interesting. It is definitely worth a read. The article deals with how the spelling...

XML Markup

```
<html xmlns:e="urn:schemas-microsoft-com:office:mailheader">
<e:m>Here it is</e:m>
</e:m>
<e:m>---
<e:f>From: <e:v> Madeleine Kelly </e:v></e:f>
<e:s>Sent: <e:v>Monday, November 15, 2004 11:13 PM</e:v></e:s>
<e:t>To: <e:v> Marketing Team</e:v></e:t>
<e:a>Subject: <e:v>FW: NYT: Microsoft's Spelling Lessons</e:v></e:a>

Check it out.
</e:m>
<e:m>---
<e:f>From: <e:v>Kevin Kennedy</e:v></e:f>
<e:s>Sent: <e:v>Monday, November 15, 2004 9:59 PM</e:v></e:s>
<e:t>To: <e:v>Dictionary Central</e:v></e:t>
<e:a>Subject: <e:v>FW: NYT: Microsoft's Spelling Lessons</e:v></e:a>

Interesting article
</e:m>
<e:m>---
<e:f>From: <e:v> David Alexander </e:v></e:f>
<e:s>Sent: <e:v>Sunday, November 14, 2004 9:10 PM</e:v></e:s>
<e:t>To: <e:v> Peter Bankov; Jason Carlson; Jose De Oliveira; Stefan Delmarco; Mark Lee; Ana Lidman; Patricia San Juan; Naoki Sato </e:v></e:t>
<e:a>Subject: <e:v>NYT: Microsoft's Spelling Lessons</e:v></e:a>

This is really interesting. It is definitely worth a read. The article deals with how the spelling...</e:m>
```

Fig. 7

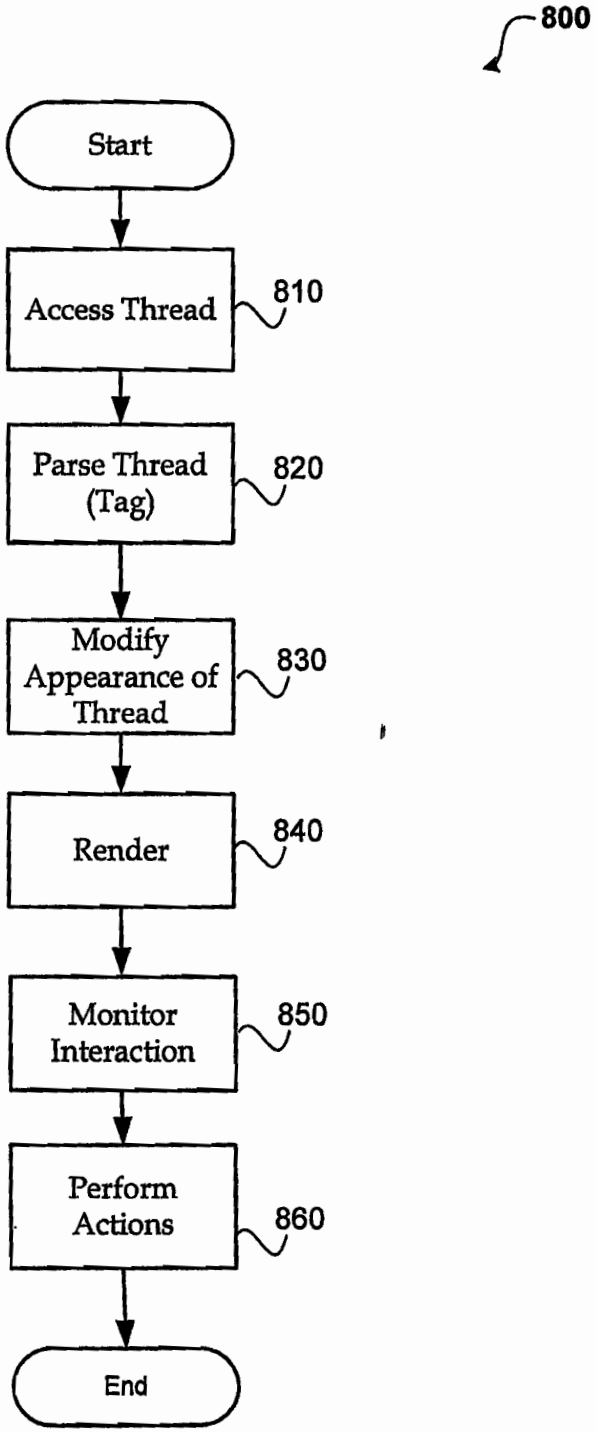

800
Start
Access Thread
810
Parse Thread (Tag)
820
Modify Appearance of Thread
830
Render
840
Monitor Interaction
850
Perform Actions
860
End

Fig. 8