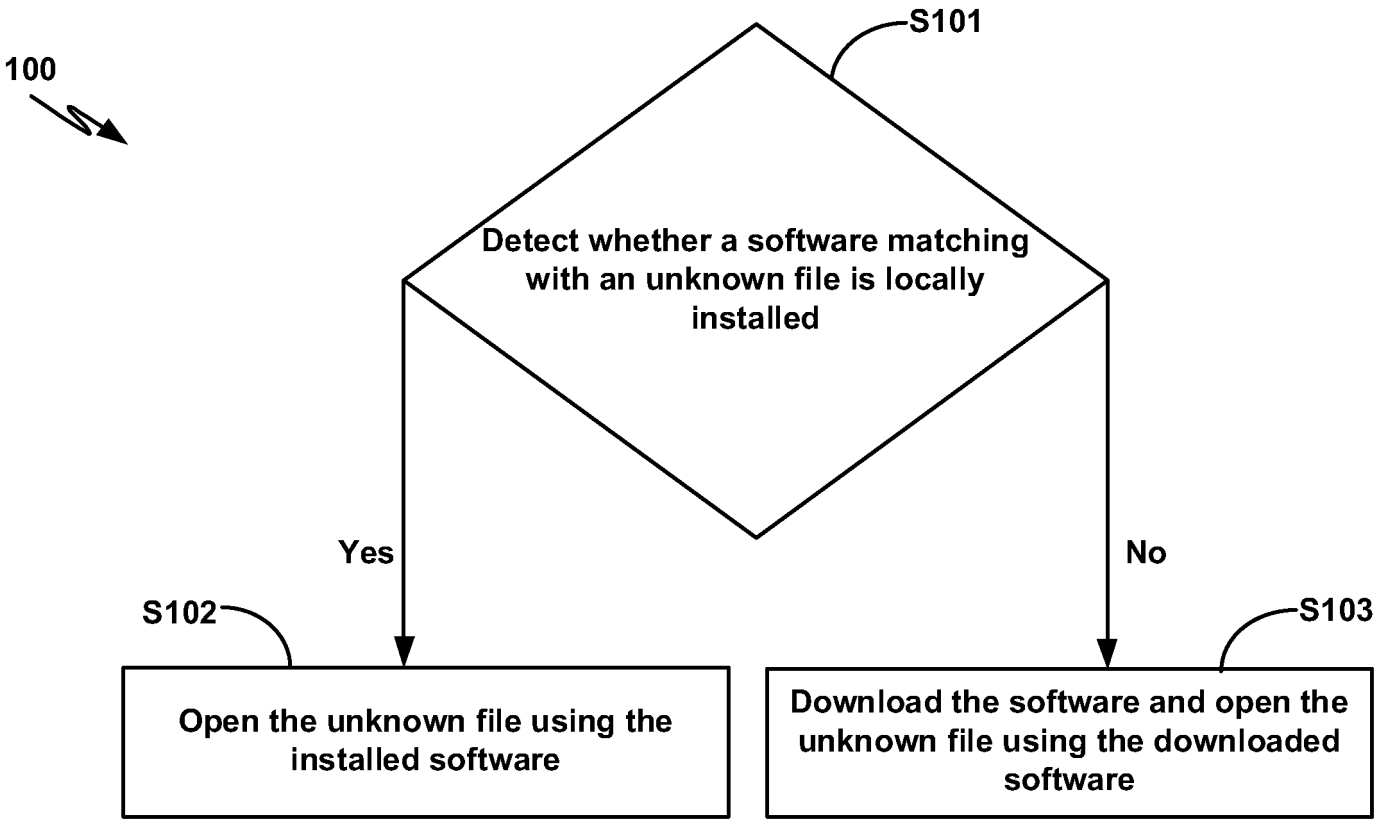
100
S101
Detect whether a software matching with an unknown file is locally installed
Yes
No
S102
S103
Open the unknown file using the installed software
Download the software and open the unknown file using the downloaded software

Figure 1

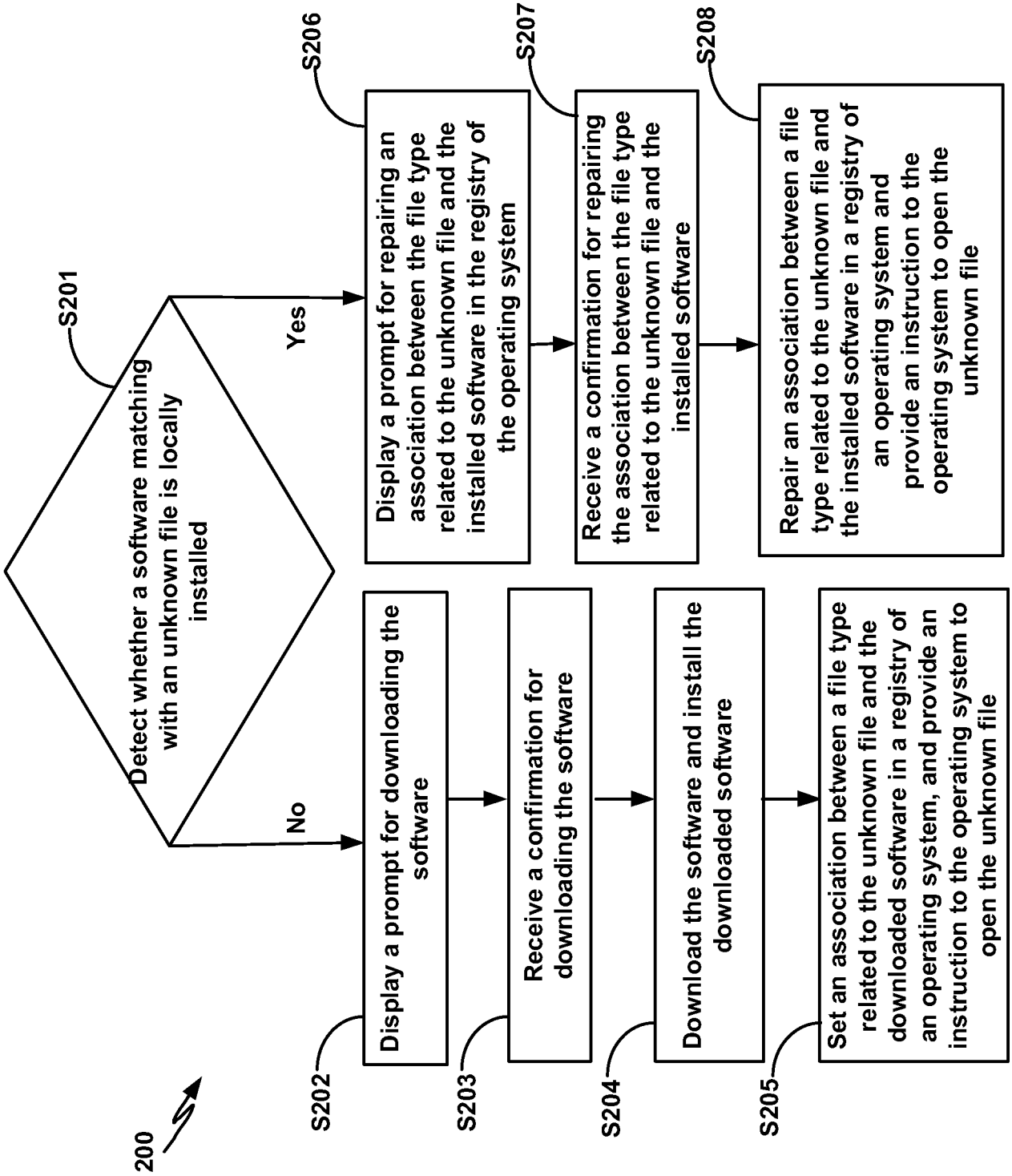
200
S201
Detect whether a software matching with an unknown file is locally installed
Yes
No
S202
Display a prompt for downloading the software
S203
Receive a confirmation for downloading the software
S204
Download the software and install the downloaded software
S205
Set an association between a file type related to the unknown file and the downloaded software in a registry of an operating system, and provide an instruction to the operating system to open the unknown file
S206
Display a prompt for repairing an association between the file type related to the unknown file and the installed software in the registry of the operating system
S207
Receive a confirmation for repairing the association between the file type related to the unknown file and the installed software
S208
Repair an association between a file type related to the unknown file and the installed software in a registry of an operating system and provide an instruction to the operating system to open the unknown file

Figure 2

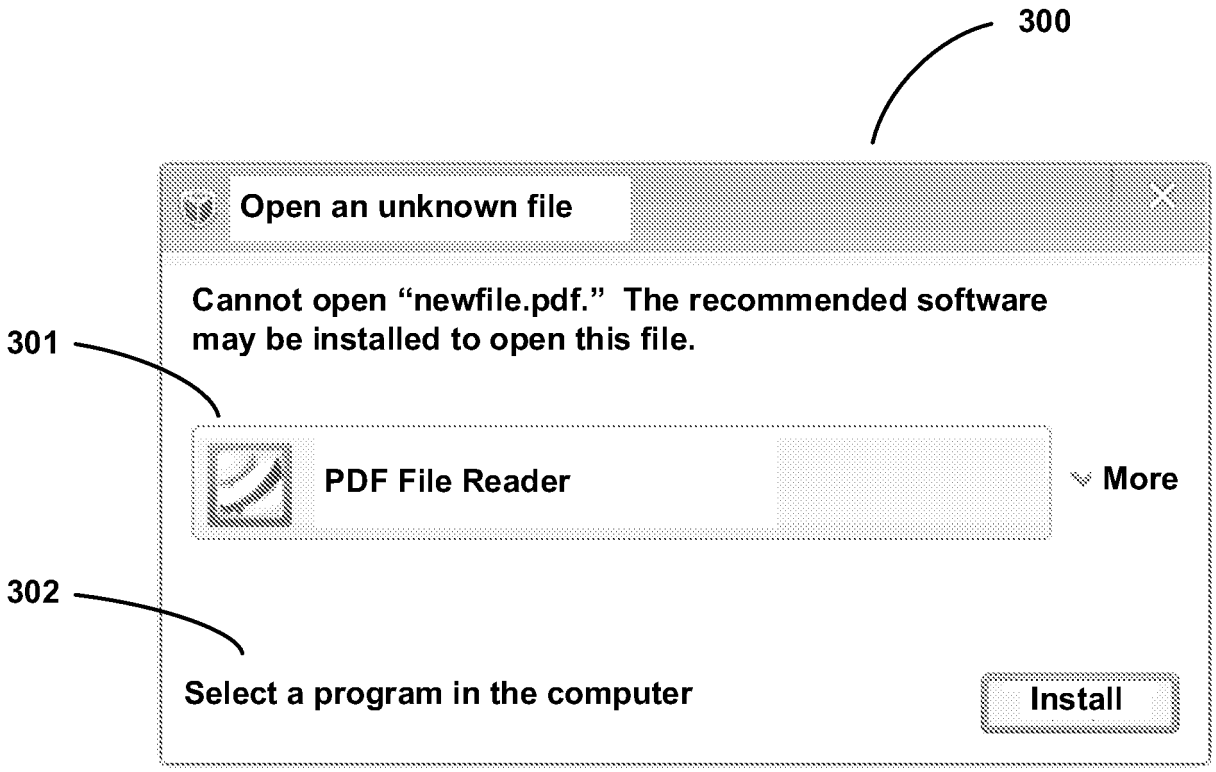
300
Open an unknown file
Cannot open "newfile.pdf." The recommended software may be installed to open this file.
301
PDF File Reader
More
302
Select a program in the computer
Install

Figure 3

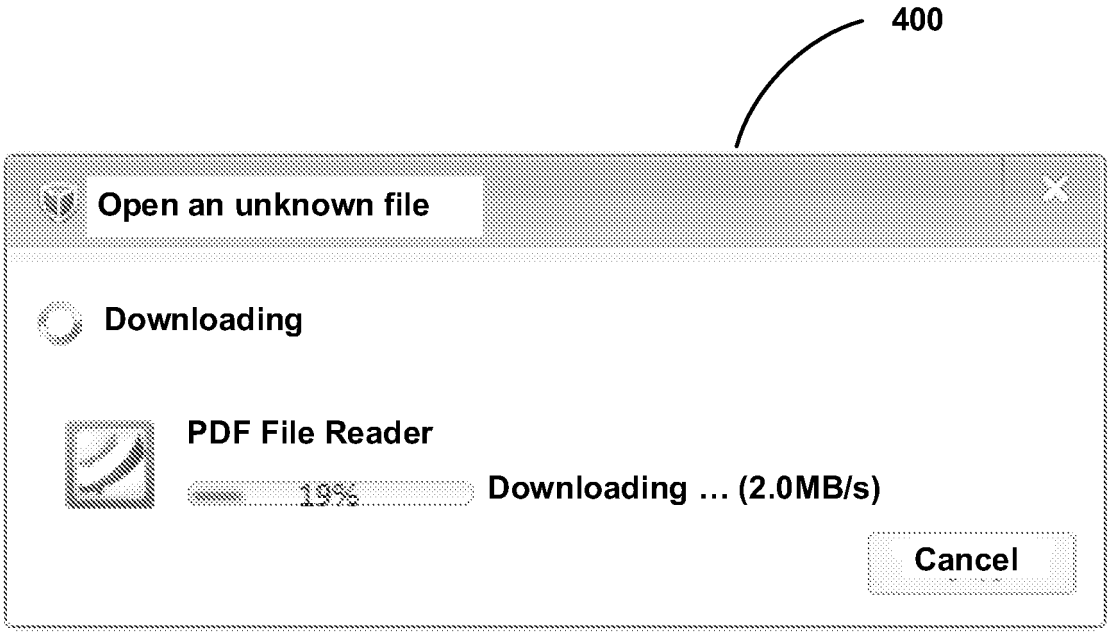
400
Open an unknown file
Downloading
PDF File Reader
19%
Downloading ... (2.0MB/s)
Cancel

Figure 4

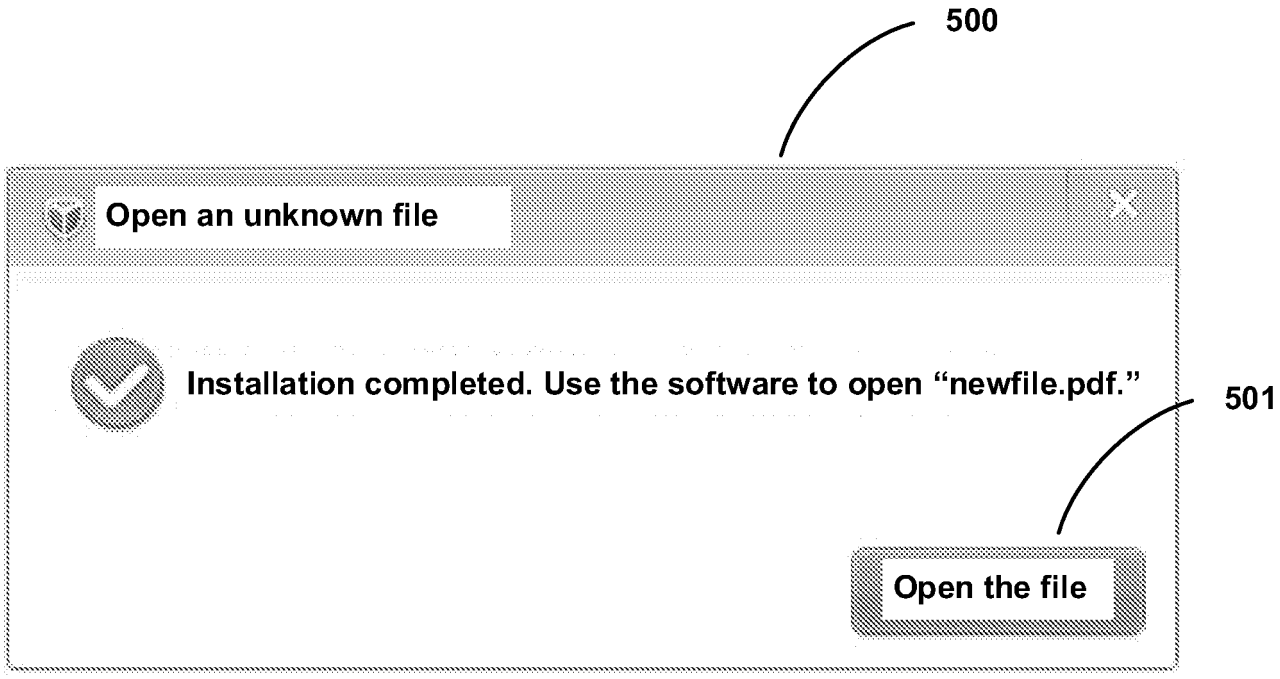
500
Open an unknown file
Installation completed. Use the software to open “newfile.pdf.”
501
Open the file

Figure 5

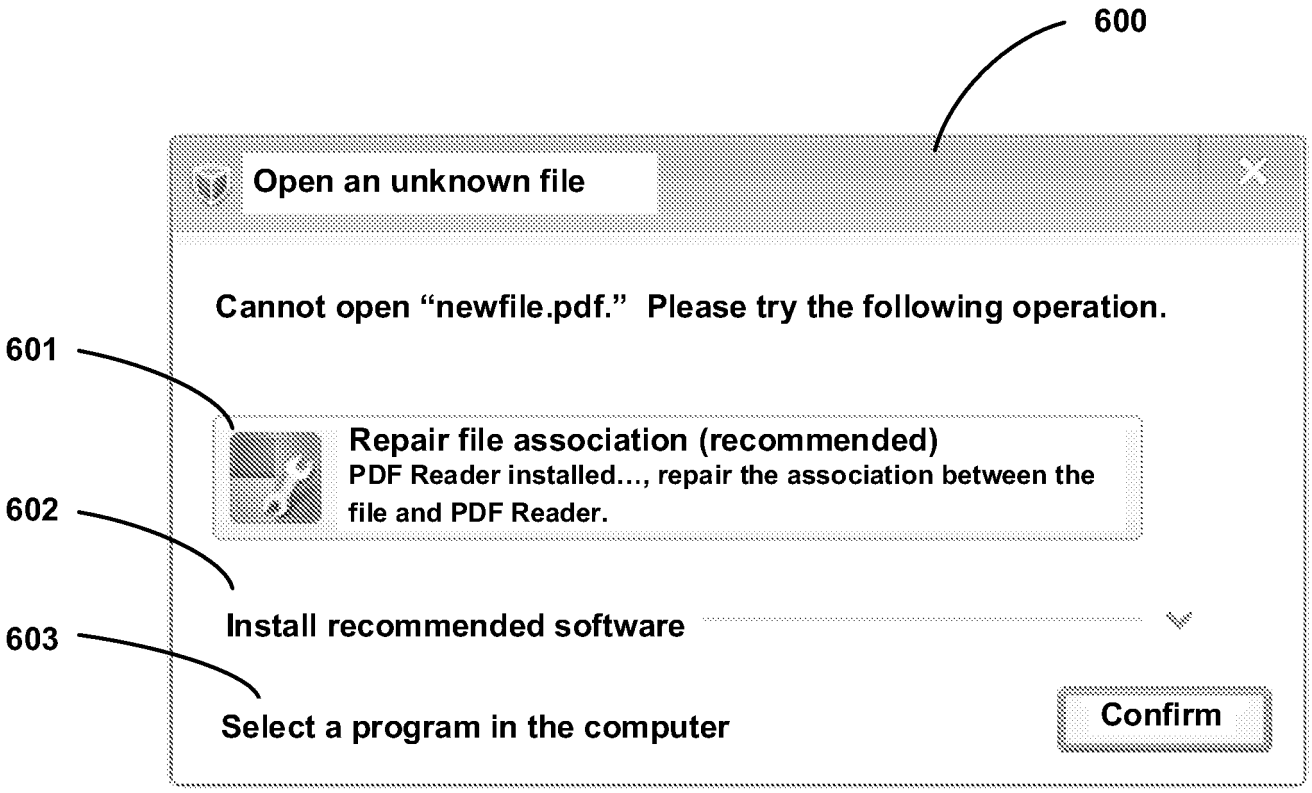
600
Open an unknown file
Cannot open “newfile.pdf.” Please try the following operation.
601
Repair file association (recommended)
PDF Reader installed..., repair the association between the file and PDF Reader.
602
Install recommended software
603
Select a program in the computer
Confirm

Figure 6

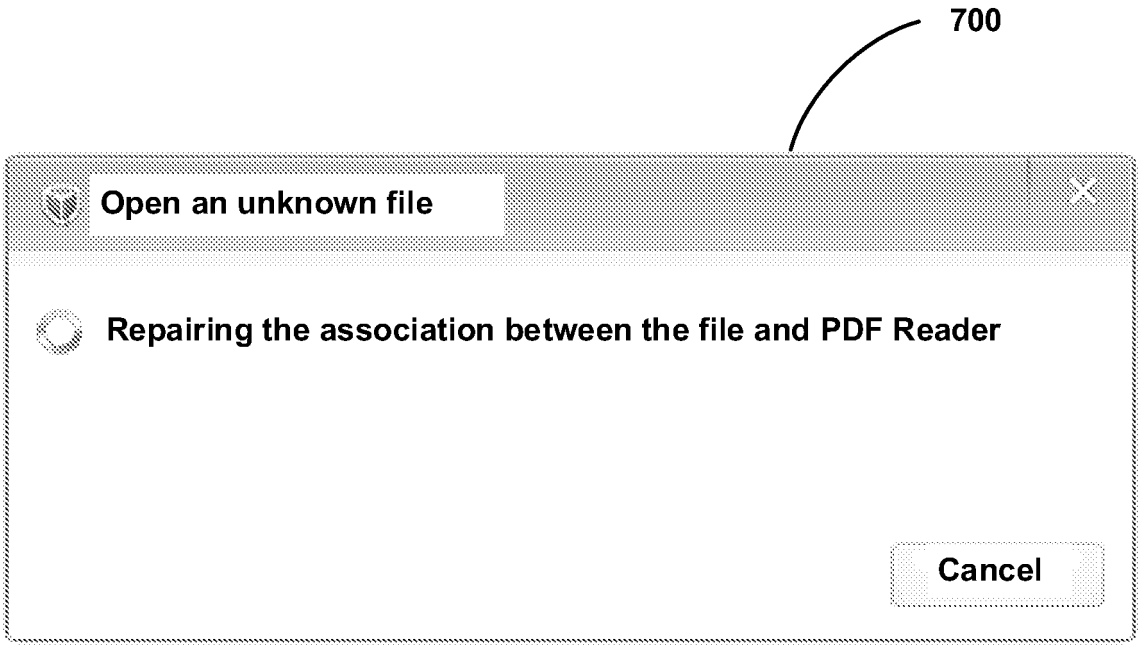
700
Open an unknown file
Repairing the association between the file and PDF Reader
Cancel

Figure 7

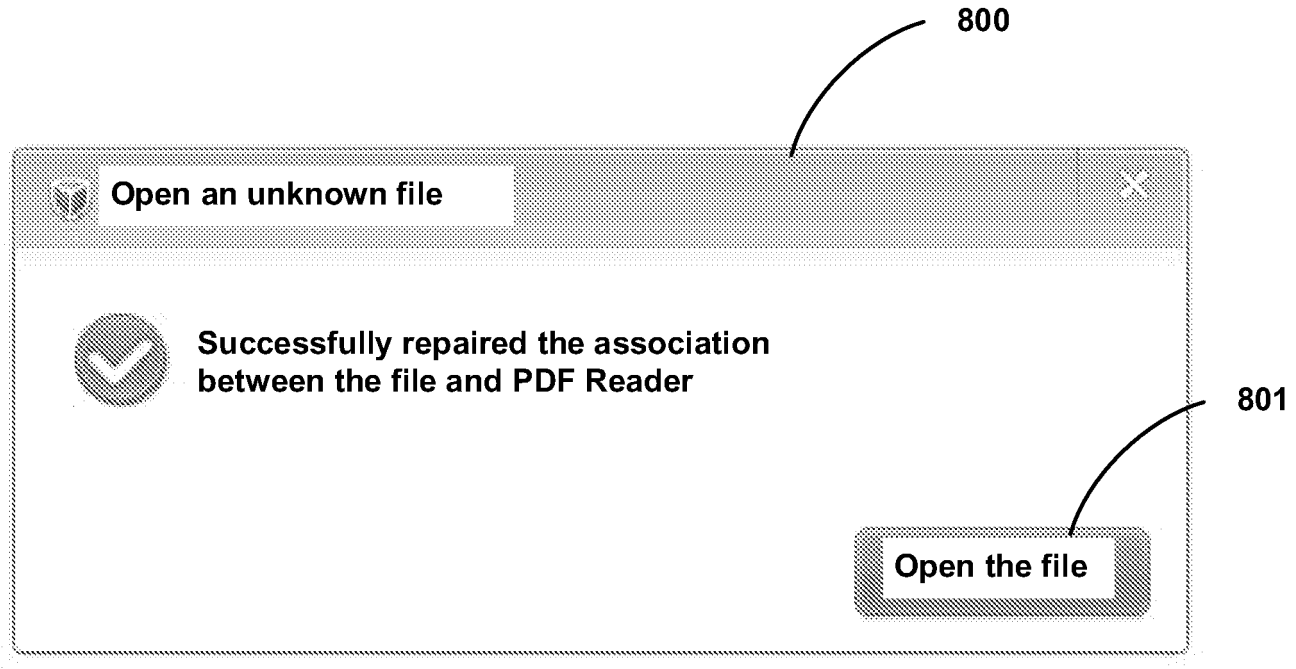
800
Open an unknown file
Successfully repaired the association between the file and PDF Reader
801
Open the file

Figure 8

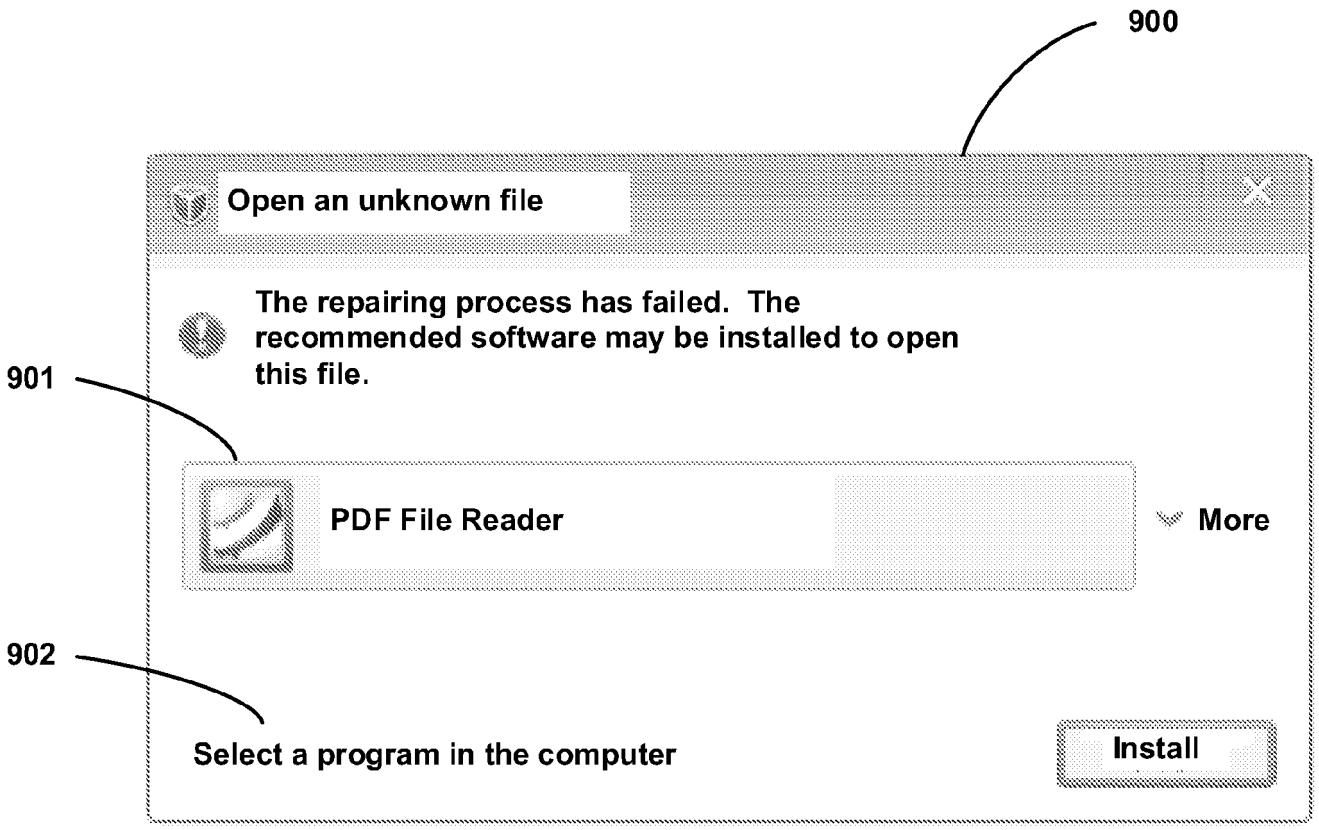
900
Open an unknown file
The repairing process has failed. The recommended software may be installed to open this file.
901
PDF File Reader
More
902
Select a program in the computer
Install

Figure 9

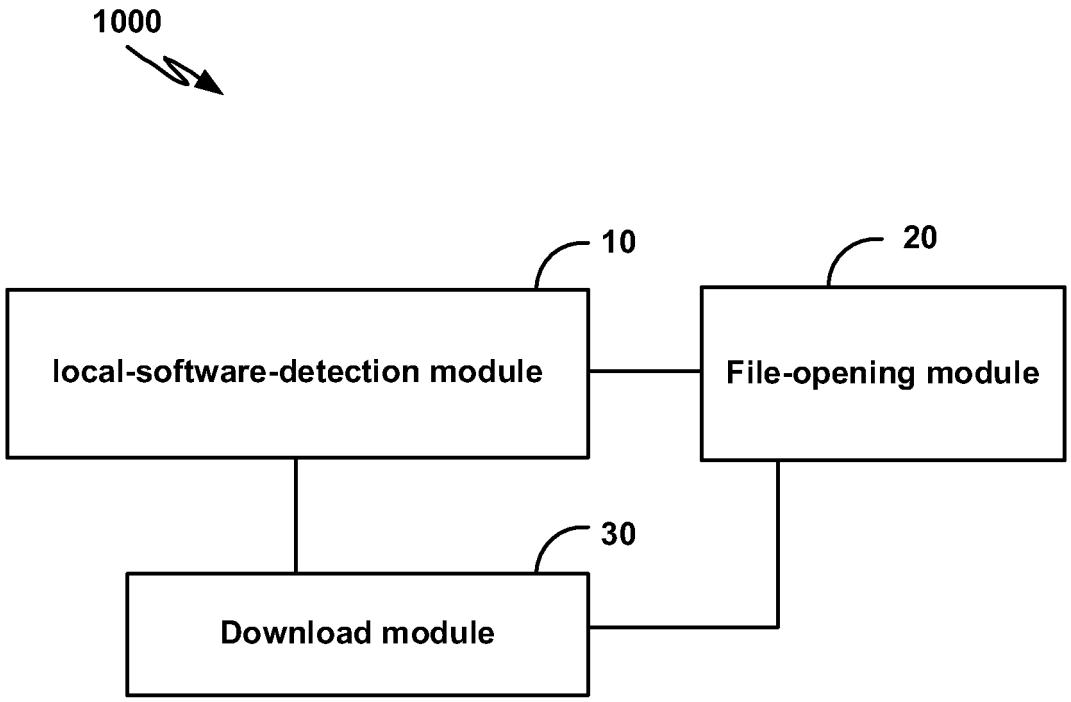
1000
10
20
local-software-detection module
File-opening module
30
Download module

Figure 10

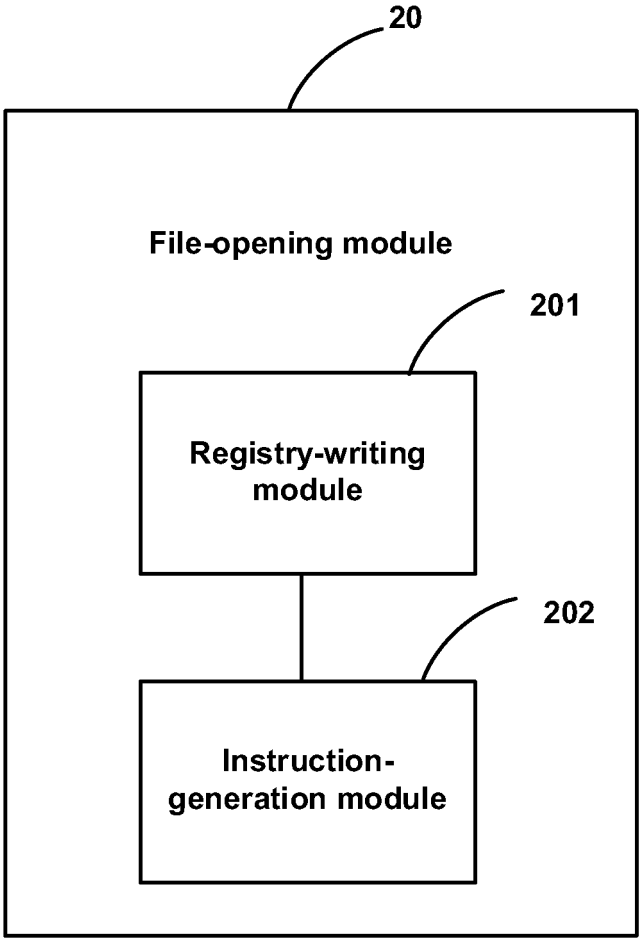
20
File-opening module
201
Registry-writing module
202
Instruction-generation module

Figure 11

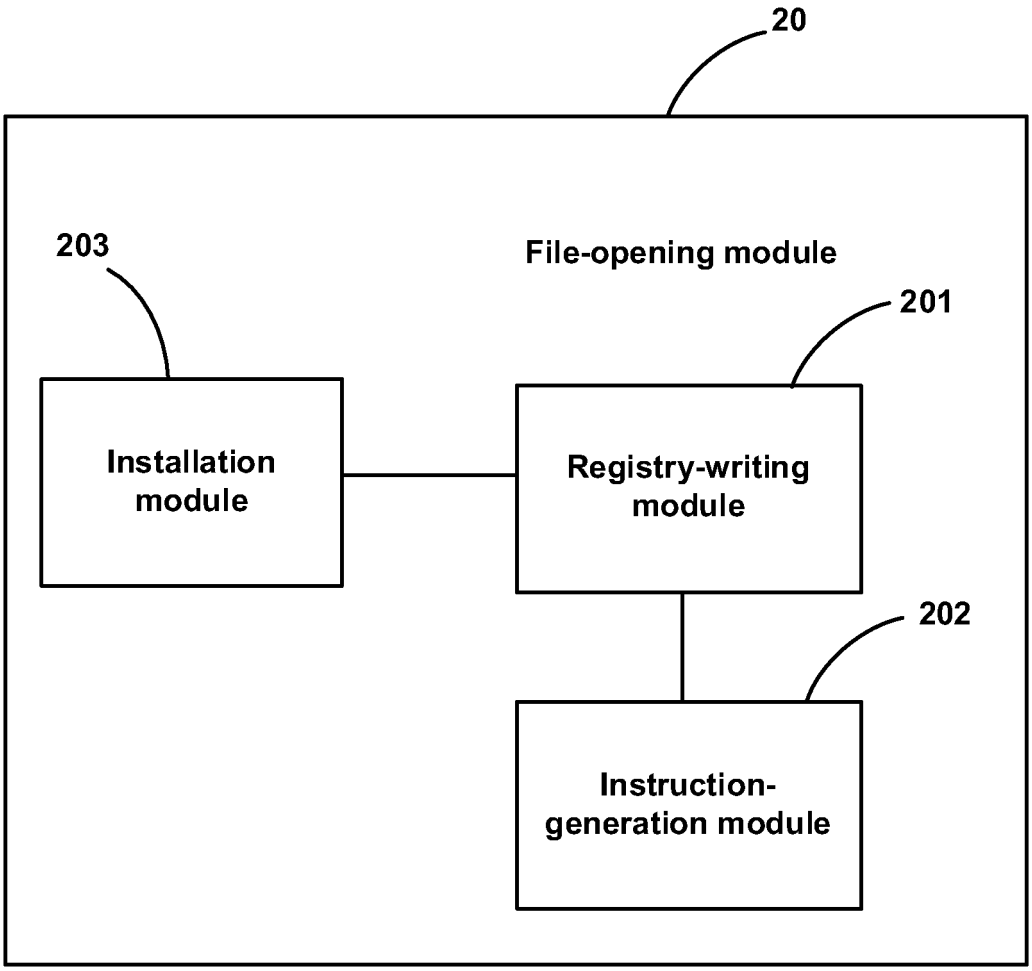
20
203
File-opening module
201
Installation module
Registry-writing module
202
Instruction-generation module

Figure 12

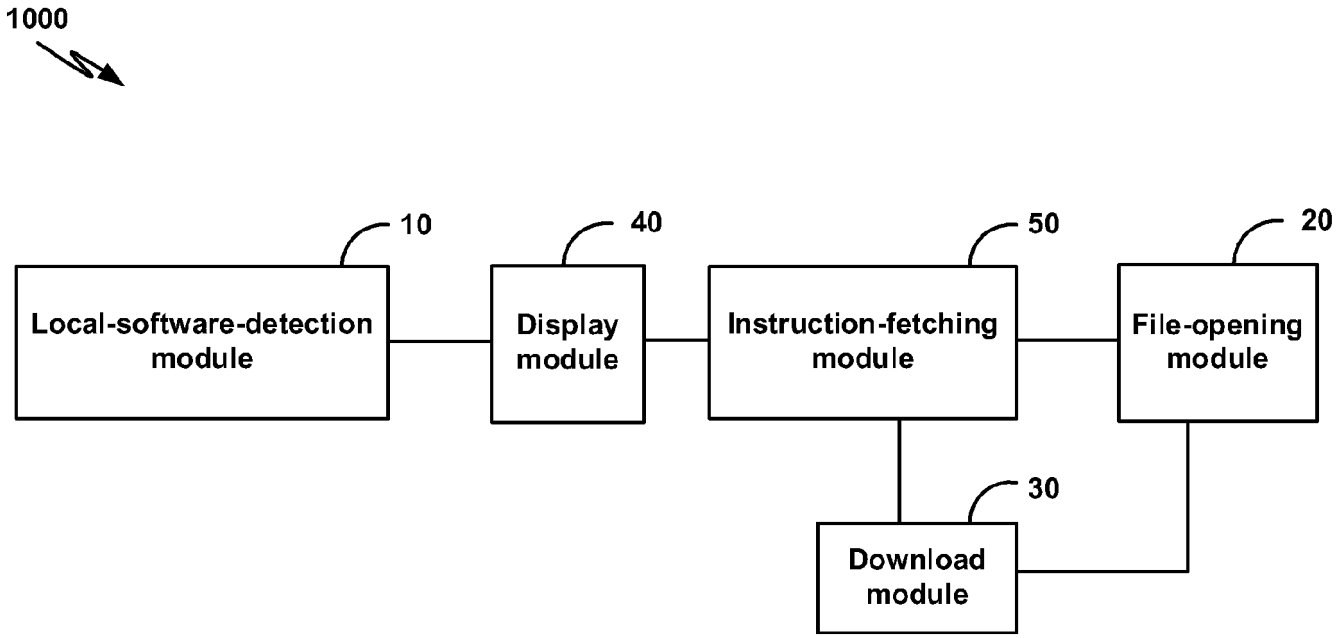
1000
10
Local-software-detection module
40
Display module
50
Instruction-fetching module
20
File-opening module
30
Download module

Figure 13