

CLAIMS

What is claimed is:

1. A microblog-based document file sharing method, the method comprising:
converting a document file into an SWF file;
5 format-confounding the SWF file; and
publishing the format-confounded SWF file over a microblog platform,
wherein format-confounding the SWF file comprises:
performing an XOR operation on a header of the SWF file; and
appending a pseudo SWF header and a random string in front of the header of the
10 SWF file subjected to the XOR operation.
2. The microblog-based document file sharing method according to claim 1,
wherein the method further comprises:
downloading the format-confounded SWF file over the microblog platform; and
15 reversely altering the SWF file and playing the reversely altered SWF file.
- ~~3. The microblog-based document file sharing method according to claim 1,~~
~~wherein format-confounding the SWF file comprises:~~
~~performing an XOR operation on a header of the SWF file; and~~
20 ~~appending a pseudo SWF header and a random string in front of the header of the~~
~~SWF file subjected to the XOR operation.~~
43. The microblog-based document file sharing method according to claim 1,
wherein converting a document file into an SWF file comprises:
25 converting the document file into the SWF file through N threads, wherein $N = (X/10) > 5 ? 5 : (X/10)$, and X represents the number of pages of the document file.
54. The microblog-based document file sharing method according to claim 2,
wherein downloading the format-confounded SWF file over the microblog platform

comprises:

requesting the microblog platform to allocate a public key;

receiving the public key returned from the microblog platform;

5 sending a key generated from a private key and the returned public key collectively to the microblog platform; and

receiving the format-confounded SWF file from the microblog platform after the key has been authenticated by the microblog platform.

10 65. The microblog-based document file sharing method according to any one of claims 1 to 54, wherein the document file is a PDF file, a DOC file, a PPT file, an XLS file or a TXT file.

76. A microblog-based document file sharing device, the device comprising a format converting unit, a format confounding unit and a file publishing unit, wherein:

15 the format converting unit is configured to convert a document file into an SWF file;

20 the format confounding unit is configured to format-confound the SWF file by performing an XOR operation on a header of the SWF file and appending a pseudo SWF header and a random string in front of the header of the SWF file subjected to the XOR operation; and

the file publishing unit is configured to publish the format-confounded SWF file over a microblog platform.

25 87. The microblog-based document file sharing device according to claim 76, wherein the device further comprises a file downloading unit; and

the file downloading unit is configured to download the format-confounded SWF file over the microblog platform, to reversely alter the SWF file and to play the reversely altered SWF file.

30 ~~9. The microblog-based document file sharing device according to claim 7, wherein:~~
~~the format confounding unit is configured to perform an XOR operation on a header~~

~~of the SWF file and to append a pseudo SWF header and a random string in front of the header of the SWF file subjected to the XOR operation.~~

5 ~~408.~~ The microblog-based document file sharing device according to claim ~~76~~, wherein:

the format converting unit is configured to convert the document file into the SWF file through N threads, wherein $N = (X/10) > 5 ? 5 : (X/10)$, and X represents the number of pages of the document file.

10 ~~419.~~ The microblog-based document file sharing device according to claim ~~87~~, wherein the file downloading unit is configured to request for a public key to be allocated from the the microblog platform; to receive the public key returned from the microblog platform; to send a key generated from a private key and the returned public key collectively to the microblog platform; and to receive the format-confounded SWF file
15 from the microblog platform after the key has been authenticated by the microblog platform.

20 ~~4210.~~ The microblog-based document file sharing device according to any one of claims ~~8-6~~ to ~~419~~, wherein the document file is a PDF file, a DOC file, a PPT file, an XLS file or a TXT file.

25 ~~4311.~~ A machine readable storage medium, with a set of instructions stored thereon, the set of instructions enabling upon being executed a machine to perform the microblog-based document file sharing method according to any one of claims 1 to ~~64~~.