

METHOD AND APPARATUS FOR ASSIGNING DEVICE FINGERPRINTS TO INTERNET DEVICES

ABSTRACT

A method for assigning a device fingerprint to a target device is provided. The method includes acquiring first attributes of the target device, the first attributes including at least one browser plug-in or one font; calculating a correlation value with respect the first attributes of the target device and second attributes of at least one second device having a device fingerprint stored in a device library. The first attributes correspond to the second attributes. The method further includes: if the correlation value is greater than or equal to a pre-determined threshold value, assigning the device fingerprint of the at least one second device to the target device; and if the correlation value is smaller than the pre-determined threshold value, storing the first attributes of the target device to the device library and assigning a new device fingerprint to the target device.

Fig. 1A