CLAIMS

1. A method of user identification by keystroke dynamics, the method performing using a computing device, the method comprising:

~~–~~registering one or more user credentials in the system;

~~–~~assigning an identifier, appropriate to the credentials, to ~~the~~ a user;

pre-dividing one or more keys of a keyboard into two or more areas;

~~–~~training a classifier to identify the user, wherein, during training, the user entering credentials into the system from the keyboard a specified number of times, ~~and~~ wherein during each input:

~~•~~ ~~M~~measuring a time each key is held down~~;~~,

~~•~~ ~~M~~measuring an interval~~s~~ between the time of pressing each key and each ~~of the points~~ of pressing all the other keys that are used by the user when entering credentials~~;~~,

~~•~~ ~~M~~measuring an interval~~s~~ between the time of releasing each key and each ~~of the points~~ of releasing all the other keys that are used by the user when entering credentials~~;~~,

~~•~~ ~~M~~measuring an interval~~s~~ between the time of pressing each key and each ~~of the points~~ of releasing all the other keys that are used by the user when entering credentials~~;~~,

~~•~~ ~~M~~measuring an interval~~s~~ between the time of releasing each key and each ~~of the points~~ of pressing all the other keys that are used by the user when entering credentials~~;~~,

multiplying each of the measured intervals by a predetermined factor, wherein a respective predetermined factor is pre-set and assigned for the keys from each area of the keyboard,

~~•~~ generating a user data set, ~~At each entry,~~ based on the measured time and ~~measured~~ multiplied ~~time~~ intervals, ~~generating a user data set, which is assigned with~~and ~~an~~ the identifier associated with the corresponding user~~;~~,

~~•~~ ~~S~~saving the generated user data set~~s, associated with the corresponding user,~~ in ~~the~~a database~~;~~,

~~•~~ s~~S~~electing a data set from the database having the measured time and the multiplied intervals with the least variance ~~the most stable features the database~~ using ~~the~~a selection algorithm~~;~~, and

• Ttraining the classifier trained on the basis of the selected data set to identify the user when entering credentials into the system based on the selected most stable features;.

2. The method of claim 1, further comprising using the trained classifier to confirm the identity of the user who entered the credentials at login, on whose data sets the classifier was trained.

23.. The method of claim 21, wherein using the trained classifier after training the classifierfurther comprising, selecting a threshold value is selected, and if a variance is above the threshold is received, the excess of which this indicates the identity of the user who enters the credentials to is the user on whose data sets the classifier was trained.

34.. The method of claim 32, wherein using the trained classifier further comprising, wherein if a variance is below the thresholdwhen a trained classifier response that is numerically smaller than the selected threshold value is received, an alert is generated that an access to the credentials of by an unidentified user is being informedis unauthorized.

45. -The method of any preceding claim 1, wherein when typing in the credentials, the presses of the non-character keys are additionally recorded.

5. A method of claim 1, wherein the keyboard is pre-divided into keyboarding operation areas.

6. The method of claim 5, wherein the time intervals fixed for the keys from each keyboarding operation zone are additionally multiplied by a factor, pre-set and assigned to the given keyboarding operation zone, before training the classifier.

67.- The method of any preceding claim 1, wherein the classifier is trained by the a method of machine learning.

68. The method of claim 1, wherein the time intervals with the least variance in the data sets of this user are considered stable features for each user.

79.- The method of any preceding claim 1, wherein the sift of a pre-set number of features measured time or measured intervals that have the greatest variance in the data sets of the corresponding user is are not used as a for the selection algorithm.

810.- The method of any preceding claim 1, wherein the user identification is understood to beincludes the identification of a pre-set group of persons using the same account.

911. -A system of user identification by keystroke dynamics, the system comprising:

the keyboard;

a– unit configured for registration of the user credentials in the system;

a- system clock configured to ~~fix~~ determine the pressing time and the release time of the ~~keyboard~~ keys;

a- long-term memory configured to store the database;

the- computing device configured to ~~to~~ perform the method according to any of claims 1 to ~~8~~10.

10~~12~~. A remote banking service system comprising ~~T~~the ~~method~~ system of claim 9~~11, wherein the system of user identification by keystroke dynamics is an integral part of a remote banking service system~~.

11~~13~~. A website, which involves user authorization comprising ~~T~~the ~~method~~ system of claim 9~~12, wherein the system of user identification is an integral part of a website, which involves user authorization~~.