

Procedure to assess common authorship of a set of handwritten signatures.



TYPE OF R+D RESULT

- New technology**
- New product
- New service
- New knowledge or skill



COMMERCIAL MATURITY LEVEL

- Model or conceptual idea
- Proof of concept (design)
- Validated in a controlled environment**
- Validated in a real environment
- Successfully implanted



PROTECTION LEVEL

- Non- applicable
- Patent**
- Software
- Know - how
- Utility model

Invention title Procedure to assess common authorship of a set of handwritten doubted signatures.

File number ES2633499B2

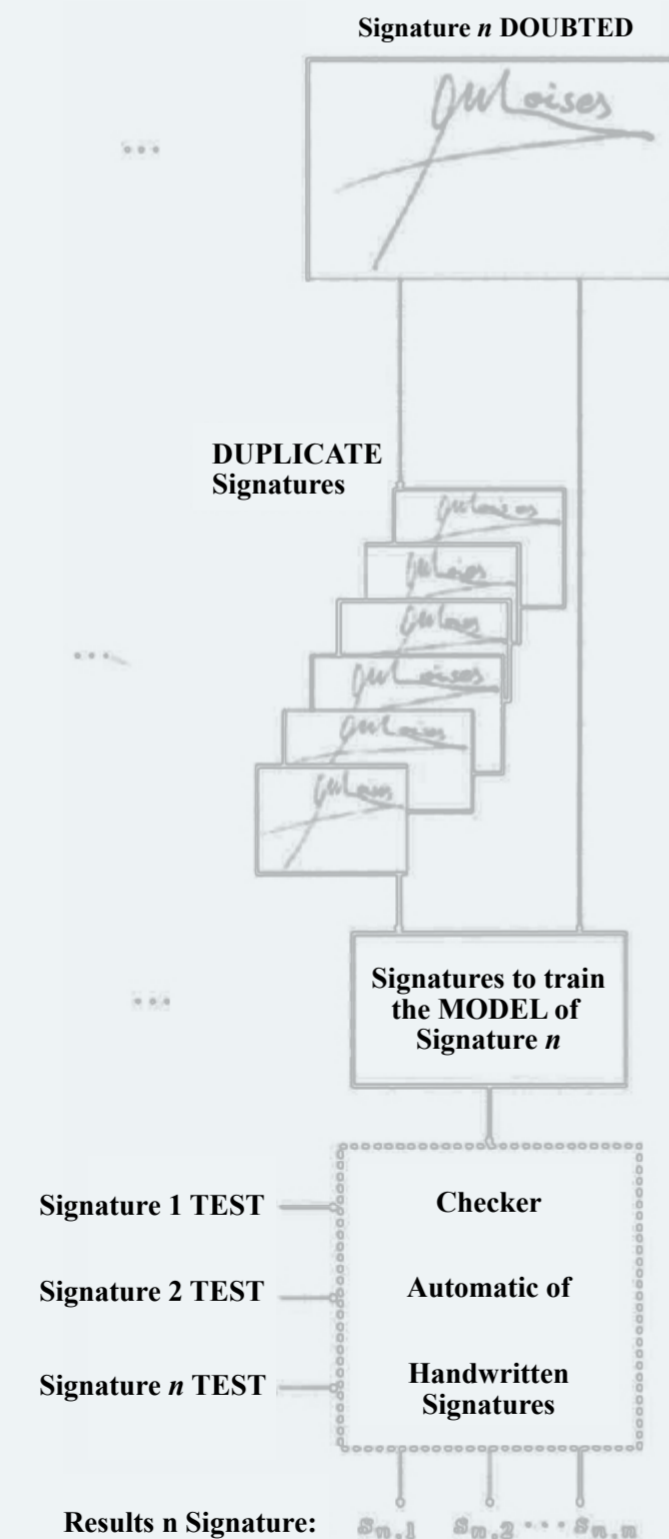
Priority date 03/21/2016

Status Granted

Country Spain

Description of the solution. Problem solved

Handwritten signature is the most used authentication system in the world and it is legally accepted. Due to this, the reliability of methods and systems used for automated verification of signature is vital.



Currently, there are two methods for signature verification: On one side we have on-line method, this means that the process is developed while the user is signing and it offers extra data like pressure, velocity, starting and finishing points of the stroke, etc. And on the other side we find the off-line method, where verification is done once the user has finished signing, and therefore, the verification process is more complex.

In both cases, the systems require unquestioned signatures to be stored, that means that systems need signatures done by the original signatory.

The solution here proposed do not require storing unquestioned signatures, making it different from similar systems already on the market. In this case, when a set of signed documents is given, once the signatures are extracted, the system is able to check whether the handwritten signatures belong to the same author or not.

Fields of commercial application

Companies that develop applications for consulting companies specialised in document managing and forensic document examiners. Some companies of the industry that develop their own products also could be interested in this solution. Some examples of the aforementioned companies could be: Signotec, cursorinsight, a2ia, Google, Neuros-

cript, Myscript, itesoft, yooz, Normadat, Parascript, Abbyy, edatalia.

Market opportunity

This solution would be useful in massive digitalisation tasks where large information volumes are managed. In these cases, a security layer is needed while the documents are being stored. Verification of common authorship would contribute to this without any delays or being affected by the GRPD, (General Data Protection Regulation, (EU), 2016/679).

Competitive advantage

This solution improves document management without storing unquestionable signatures.

Resources needed to be implemented

The software developed by our researchers need to be translated to a low-level software and be integrated into the server or computer of the interested company.

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