SOOD Tattooing

Administrative or commercial type documents convey information that is accessible to everyone by simply reading. The followers of different monotheistic religions detect in each of their sacred text both a literal and a hidden meaning. That is to say direct information carried by the text and directly accessible by reading and information "hidden" also supported by the text but accessible only to a few insiders. The business world, more rational, less esoteric, also needs to allow "double" reading documents.

The solution proposed by "Sood" allows to stamp over the information carried by the text of the document other information without disturbing the layout.

Originality of SOOD solution

There are probably ancient solutions to introduce hidden information on a document. This is the area of Steganography with its applications: Watermarking. Today there are many watermarking solutions for introducing information in an image according to various processes. These processes operate generally on an image in electronic form,with a large amount of information necessary to the definition of the image and the ability to change a part of it without significant impact on the quality of the image.

The Sood solution, (patented), is based on the text itself. Using variations of non disturbing characters and can therefore be applied to the vast majority of current documents that are composed mainly of text and contain natively not or little images.

The Sood tattoo can be used alone on a text document type. It can also be associated, or complete other encoding modes of information such as watermarking or barcode of all types.

Features of SOOD tattooing

The Sood solution based on the text itself is hybrid: it allows the tattooing of paper or digital documents. The encoding power of our tattoo, in its current form, can encode up to 20 bytes per line, up to 10 useful bits of information per line.

The tattoo of an electronic document does not significantly increase it's size.

Development

The Sood tattoo will soon be available directly from a smartphone.

A certified research program "Future Investment" has allowed us to develop in collaboration with a famous university laboratory the ability to flash a document with his smartphone so that all elementary part of the text is similar to a readable barcode.

Thus in each elementary portion of text in a document, 3-4 lines suffice to have the same features and applications as a bar code (simple or 2D).

Benefits of SOOD tattooing

The Sood tattoo can be performed on a finished document, just before printing or when obtaining a PDF file. The performance in terms of speed of our tattooing makes it easy to tattoo without slowing mass production, or from the perspective of customization of a broadcast email or print to multiple recipients, again without significantly slowing down the diffusion process.

The tattoo being worn by the text, it survives to a paper document scanning process, as the tattoo of an electronic document survives to an impression.

The tattoo being broadcast throughout the text of the document, the information carried can easily be customized according to each fragment of the document: page, paragraph, line ...

In most cases, our tattoo can be extracted by different executable we provide either for paper or electronic documents. In the case of degraded documents, intentionally or not, if necessary, the tattoo can still be analyzed by a dedicated expertise.

Scopes of SOOD tattooing

Sood tattooing technology has multiple uses:

- Encoder strategic data to verify those contained in the clear in the document.
- Encoder referencing data to recover the original document.
- Encoder key to the operation of coded data in a bar code.
- Encoder one or more URLs or equivalent information to enable augmented reality applications.
- Identify the document and / or a copy in the case of a confidential or strategic dissemination to limit the uncontrolled spread and trace leaks.
- Customize an ebook so that each element of it identifies the copy in the manner of a registration plate.

Technical Specifications

We offer standalone encoding modules running on Word (plugin) or PDF documents. These modules are available in Windows (7 or more). They allow you to encode one or more data in the same page, numeric or alphanumeric. For paper documents, a standard resolution of 600 dpi allow the creation of a tattooed document, this resolution is the basic resolution of most current printers inkjet or laser including for entry level printers.

We also offer self-contained modules for reading encoded documents also running under Windows (7 or more). These modules allow decoding the information encoded either on a PDF document type or on a printed document piloting a TWAIN scanner type (resolution 600 dpi).

These modules can also be provided integrated as part of business applications.