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## Proof of date by Blockchain at Ipside

#### In a nutshell

Obtain electronic proof of date for your creations, or for the content of all document types, including laboratory notebooks or negotiation documents and recordings for 1 Euro from Ipside using Blockchain technology.

## Why would one need to date a creation?

Most often, during intellectual property (patent, brand, copyright, etc.) litigation procedures, there comes a moment when one or both of the litigating parties must provide **proof of date of the documents claiming authorship of an idea**, invention, graphical creation, etc.

Proof of date is thus used to establish the anteriority of a creation and, for example, the anteriority of a development relative to a subsequent patent filing (prior personal ownership). It is used to **formally prove** the dates and content of the various steps in the development of a creation.

In the past, proofs of date were usually obtained by submission of a "Soleau envelope" to INPI, or of sealed envelopes to a bailiff.

Electronic time-stamping now offers a much simpler and faster means.

## Data time-stamping can constitute proof of creation date

Time-stamping consists in associating a date and time with an event, information or electronic datum. It is generally used to record the instant at which an operation was performed. For Ipside, time-stamping consists, amongst others, in assigning a date and time to a document, without altering this latter.

#### Online Blockchain data time-stamping: technical definition

To indisputably date your laboratory notebooks, graphical or artistic creation, you can now use a new IPSIDE service: **online Blockchain data time-stamping.** According to the <u>Blockchain France website page</u> defining blockchain, "...a blockchain constitutes a database containing the history of all exchanges made between its users since its creation. This database is secure and distributed: it is shared by its various users, with no intermediaries, thus enabling each user to verify chain validity." For further information, we recommend that you read the excellent <u>Wikipedia Blockchain page</u>.

Each time a new datum is inserted into the chain, a signature characterizing all previous blockchain records is used to perform this insertion, thus preventing all previous chain records from being changed. The chain cannot be falsified.

This online proof of date creation service allows you to insert into the Bitcoin chain (the most widely known blockchain, but not the only one), not your files themselves (due to their probable size of a few megabytes to several hundred megabytes), but rather a signature representing all the files you wish to time-stamp. This signature is unique (technically, it is a hash of the file, see the definition of file hashing on Wikipedia), it characterizes your file (or group of files) and its insertion into the Bitcoin chain assigns it a firm and unfalsifiable date. Changing a single character or pixel in one of your files will completely change the hash signature. This signature is thus unique to each file.

Simply knowing the hash signature, however, is not sufficient to reconstitute the file. Counterfeiters cannot infer anything from the knowledge of a hash signature, which is simply a digital file, itself meaningless and unusable.

## How does it work in practice?

If you wish to obtain proof of date for a file such as a laboratory notebook, software source code, graphical illustration, or any other creation that exists in the form of a digital file (including model photos), simply drag-and-drop your digital files, whatever their format (jpeg, .txt, .pdf, .raw, etc.) onto a specific area of a page on the Ipside website (in your online customer space). Without transferring these files to Ipside, their hash signature is generated and sent for insertion into the Bitcoin chain.

**Ipside does not receive your files to be time-stamped, it thus does not store them or have access to their content.** Only the server on which our web application is hosted temporarily receives your files via HTTPS transfer protocol in order to generate a signature.

Ideally, we advise our customers using this online proof of date system to "zip" their files, with encryption, to a new file before submitting it for time-stamping. Within approximately 24 hours, you will receive the Bitcoin certificate confirming the insertion of your hash signature into the chain. Simply keep this certificate, along with your zipped file, in a secure archive location within your company or at home.

Ipside provides you with secure access to these certificates, at any time, via your secure online portfolio. As mentioned above however, we do not keep the zipped file that you time-stamped, you must keep it yourself.

As the Bitcoin technology is very widespread, it is possible to retrospectively **check the date of chain insertion into the blockchain** via a large number of independent Ipside providers. In this manner, you can definitively prove that your zipped file's hash signature was inserted at a defined time. As long as you keep your zipped file safe, you can demonstrate that hashing it produces an identical hash signature as that inserted into the Bitcoin chain. **You have proof of date for your graphical creation**, laboratory notebook, model, drawing, text, etc.

#### How much does it cost?

This service costs 1 Euro excluding VAT per file time-stamping operation. That's all. This is 15x less than a Soleau envelope, while being must faster.

Considering that it would be beneficial for your company to implement systematic use of this service each time there is a new breakthrough in your creations, Ipside offers packs of 100 or 500 data time-stamps.

All first-time customers are offered a pack of 10 free time-stamps to allow them to test the service. Simply ask your Ipside contact. This service is then available via your online customer portfolio, combining all of your patents and their related up-to-date data (see below).

This blockchain data time-stamping service is also available from the <u>ipipip.fr</u> website, whose role is to centralize all online industrial property operations.

### Your online portfolio of industrial property titles

Industrial property titles are a key asset for your company. Ipside allows you to access, at any time, the status of your portfolio of patents, brands and other IP titles and related information. Obviously, customers can only access their own titles.

This online portfolio service combines the following functions:

## For patents

List of patents (patent families, patents, Soleau envelopes)

# Liste des Brevets par Famille



Résultats 1 à 4 sur 4

Multiple search criteria





Référence	Etat	Date de Dépôt	Numéro de Dépôt	Numéro publication	Titre	Fiche complète
23226AE/WO	•	2010-01-11	715/2011		Verre à dégustation	0
23226CN/WO	•	2010-01-11	201080007218.x - ZL201080007218	CN 102307498A	Verre à dégustation	0
23226EP/WO	•	2010-01-11	10721721.8	2385776	Verre à dégustation	0
23226FR	•	2009-01-12	09 50126	2940898	Verre à dégustation	0
23226HK/CN	•	2010-01-11	12106410.5	1165239A	Verre à dégustation	0
23226IN/WO	•	2010-01-11	5350/DELNP/2011		Verre à dégustation	0
23226JP/WO	•	2010-01-11	2011-544879	2012515008	Verre à dégustation	•
23226RU/WO	•	2010-01-11	2011128781 - 2520939		Verre à dégustation	0
23226US/WO	•	2010-01-11	13/143,642 - 8,925,757	US 20110303680	Verre à dégustation	0
23226.01US/WO	•	2010-01-11	14/556,372		Verre à dégustation	0
23226WO	•	2010-01-11	PCT/EP2010/050206	WO 2010/079225	Verre à dégustation	0
26928FR	•	2013-06-14	13 55598	3006873	Verre à boisson	0
31215WO	-	2014-12-15	PCT/EP2014/077787		VERRE A BOISSON	0

## For each patent:

- Title in French and English,
- Customer reference and Ipside reference,
- Filing number,
- Inventors' names,
- Date filed,
- Date published,
- Date issued.
- Patent figure 1
- Abstract
- Claims
- Links to the text source document in pdf format
- Hypertext link to the relevant office site, with direct access to the patent procedure file
- Patent status (active, abandoned, revoked, expired)
- Geographical territory covered

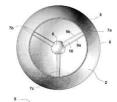
## Verre à dégustation

## Référence Client:

Sauver en PDF



### Figures et Abrégé





 $Le \ verre \ (1) \ \grave{a} \ d\acute{e}gustation, \ du \ type \ comportant \ une \ paraison \ (2) \ globalement \ \grave{a} \ sym\acute{e}trie \ de \ r\acute{e}volution \ autour \ d'un \ axe \ vertical,$ comprend à l'intérieur de ladite paraison (2) un ensemble d'au moins deux nervures (7) identiques, réparties régulièrement sur la périphérie de la paraison (2), s'étendant sensiblement dans un plan vertical, pratiquement depuis le fond du verre, jusqu'à une hauteur de la paraison (2) inférieure à un niveau de remplissage normal du verre, différente pour chacune des nervures (7). Le verre à dégustation comprend également un dôme (8), dit casserole, situé sur l'axe du verre, au fond de la paraison (2). Les nervures (7) ont la forme chacun d'une face de pale d'hélice. L'invention vise également un procédé de réalisation du verre selon l'invention

#### Informations Générales

Référence : 23226FR

Titre (FR) : Verre à dégustation

Pays: (FRANCE)

Référence Client : BARAT 01

ur(s) BARATTE Amand

Titulaire(s) : Sas Arnaud Baratte Corporate International

nt(s) : Sas Arnaud Baratte Corporate International

Statut: brevet délivré le 11/02/2011

lien: Espacenet

#### Détails

Date de Dépôt : 2009-01-12

méro de dépôt : 09 50126

Date de publication : 2010-07-16

Numéro de publication : 2940898

de publication de la délivrance : 2011-02-11

Priorité: 2009-01-12/FR/09 50126

Date de l'expiration : 2029-01-12

nsable technique : Sabrina PAVAGEAU

ant : Delphine MATOSE

Gérant : IPSIDE

Gérant des Annuités : IPSIDE

Clients(s)

Clients(s) Annuités

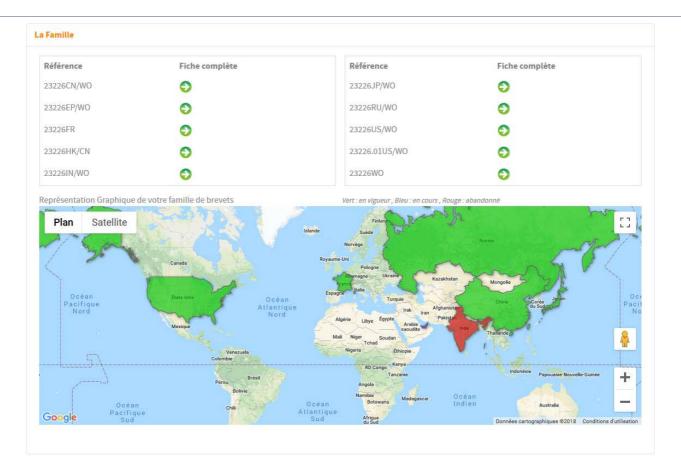
#### Documents

FR\_2940898\_B1-1.pdf RE-FR2940898\_V1.pdf RE-FR2940898\_V2.pdf

| Identification des codes |:
FR\*\*\*\*\*\*\*\_A1 : Demande de brevet
FR\*\*\*\*\*\*\_A2 : Demande de certificat d'addition
FR\*\*\*\*\*\*\_A3 : Demande de certificat d'utilité

FR\*\*\*\*\*\*\_B1 : Brevet délivré FR\*\*\*\*\*\*\_B2 Brevet délivré - certificat d'addition FR\*\*\*\*\*\*\_B3 : Certificat d'utilité

RE-FR\*\*\*\*\*\*\_V1: Jeu de revendications
RE-FR\*\*\*\*\*\*\_V2/3/4.....: Jeux de revendications successifs



- Upcoming event for this patent (e.g.: Research report response, Official Letter, Issuance, etc.) and approximate cost
- List of invoices issued by Ipside for this title, with link to invoice in pdf format (payable online on the website)
- List of annual payments made and remaining

Les Factures				
Référence facture	Objet	Date	Montant (HT)	Client Facturé
AN1301584	ANNUITE 23226FR Quantième 6	2013.10.17	135.00€	ARNAUD BARATTE CORPORATE INTERNATIONAL Mossieur Arnaud BARATTE
AN1500349	ANNUITE 23226FR Quantième 7	2015.01.15	153.00€	ARNAUD BARATTE CORPORATE INTERNATIONAL Horoleur Arnaud BARATTE
AN1504948	ANNUITE 23226FR Quantième 8	2015.10.28	237.00€	Sas Arrasof Baratte Corporate Internation Parc d'Activités - Les Xarons

Anniversaire	Quantième	Date Anniv.	Paiement	Anniversaire	Quantième	Date Anniv.	Paiement
L	2	2010-01-12	2009-12-02	10	11	2019-01-12	
2	3	2011-01-12	2010-12-02	11	12	2020-01-12	
3	4	2012-01-12	2012-01-18	12	13	2021-01-12	
4	5	2013-01-12	2012-12-18	13	14	2022-01-12	
5	6	2014-01-12	2014-01-28	14	15	2023-01-12	
6	7	2015-01-12	2015-01-28	15	16	2024-01-12	
7	8	2016-01-12	2016-01-27	16	17	2025-01-12	
8	9	2017-01-12	2017-01-27	17	18	2026-01-12	
9	10	2018-01-12	2018-01-30	18	19	2027-01-12	
10	11	2019-01-12		19	20	2028-01-12	

## For brands

Search criteria for efficiently locating the titles of interest at any given time.



## List of brands in your portfolio, with associated details



## And, for each brand:

## Détail de la marque



## For time-stamping

# Liste de vos Horodatages

Patent nools

### **Nouveau Horodatage**

### Nombre de credits restant: 1

Nom du document

Date demande horodatage

Statut Hotodatage

Date horodatage

Reçu de preuve

## An interface for checking the proof certificates received

## Vérifier vos fichiers



### How much does it cost?

Online portfolio access is free of charge for customers.

### How do I access the service?

To access this service, you will need a user name and password, that you can obtain from your Ipside engineer or lawyer.

Christophe CORNUEJOLS
Industrial Property

Consultant
IPSIDE Chief
Executive Officer



















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