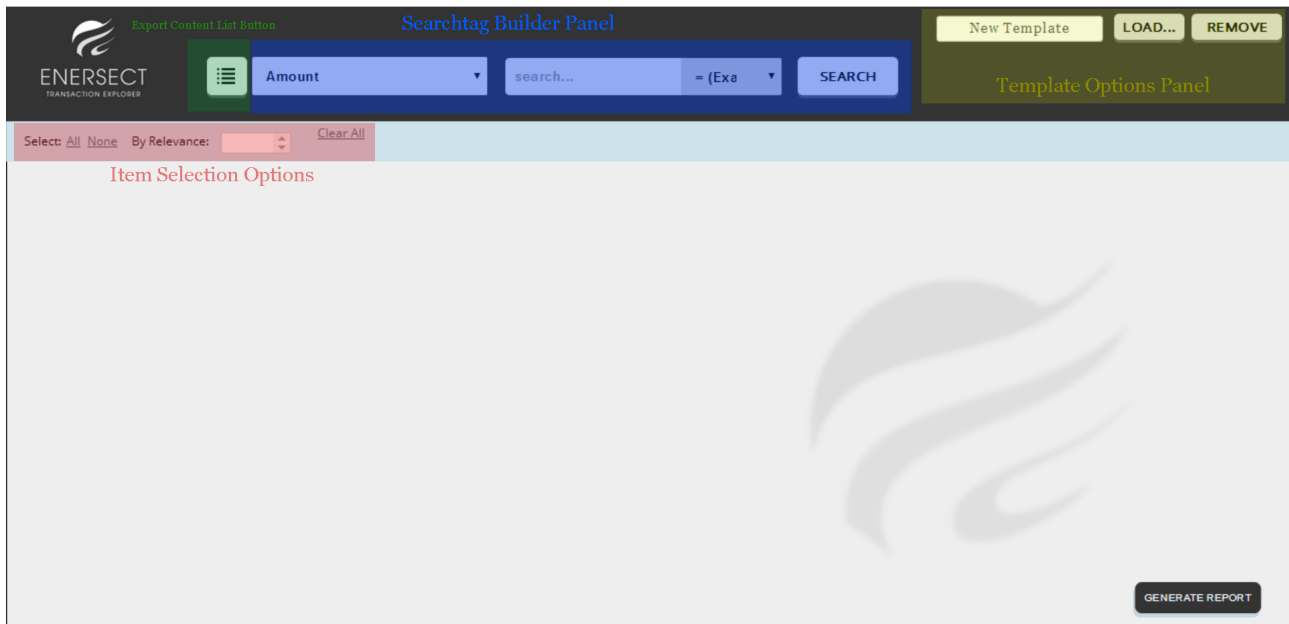


Transaction Report Tool Tutorial:

-This tool is meant to show you different Transactions, its' contents, and a list of the related documents linked to each one. It allows to perform a smart search by fields, that returns the candidates and classifies them by the number of similarities with the different search terms.

Main Screen:

Head to http://54.200.180.182/enersectapp/legalui/transactions_report/ .
Main Screen is as such:



Explanation:

-**Export Content List Button** : Exports a .csv with all the possible results in each of the tags available. If something can be searched, it appears here.

Ex: Amount column will show all the possible Amounts one can search for.

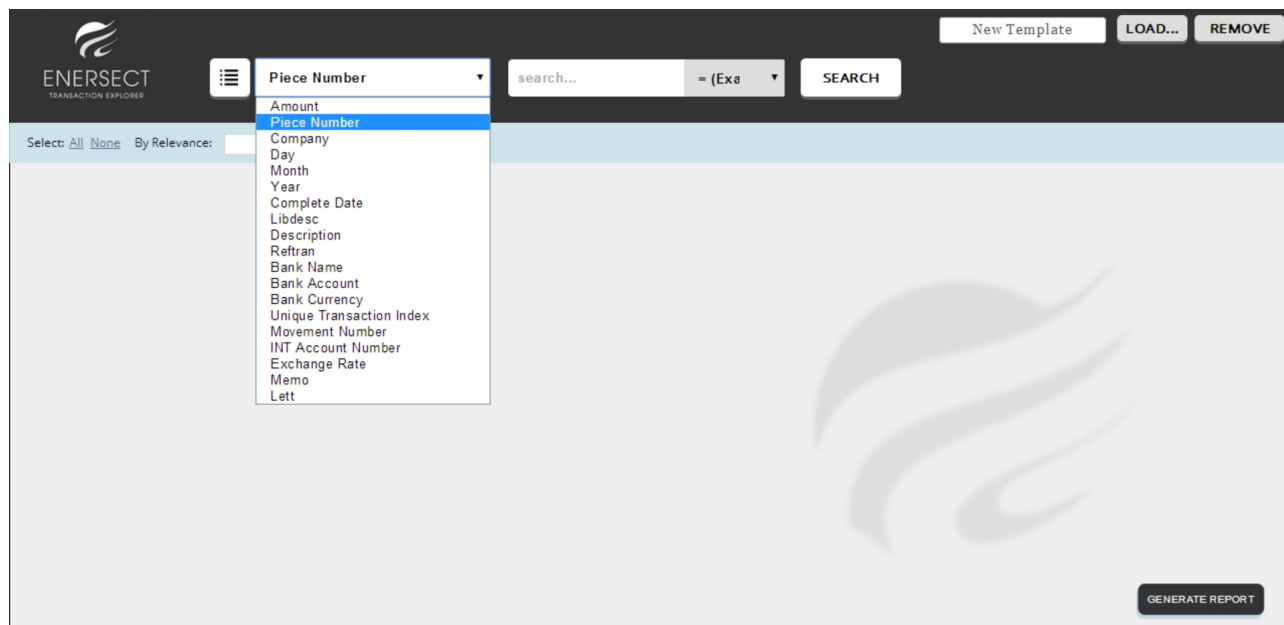
-**Searchtag Builder Panel** : “Searchtags” are 3 part blocks that define the rules for searching in the database. The 3 parts are: Field : Content : Rule. Searchtags are cumulative ; The resulting candidates of two searchtags will be shown in the same table, but with different scores depending on how many searchtags they compliment. Will be explained in more detail later.

-**Template Options Panel**: Saves, loads and removes templates. Each Template saves the Searchtags used and the Candidates selected in a particular search.

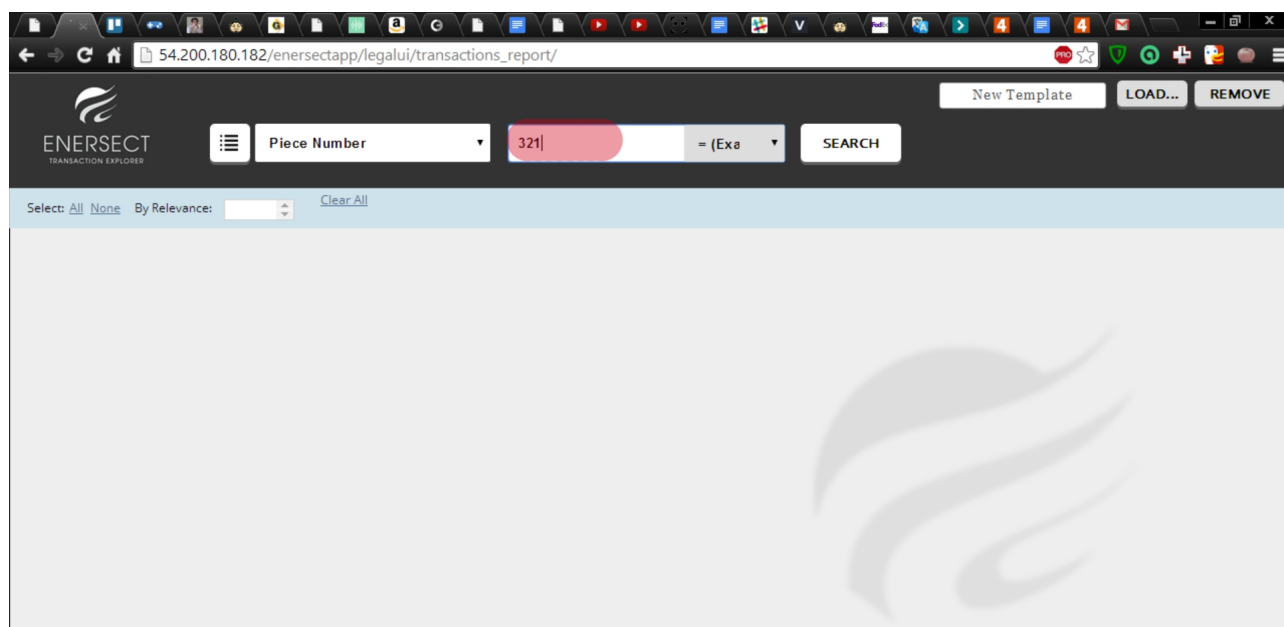
-**Item Selection Options**: Selects all the items, none, by Relevance Score, or Clears the used Searchtags. The selected candidates can be shown in a report pressing the button Generate Report (Not available at the moment, due to big changes in the outputting format and template generation).

One possible process to search for an item in the Grande Livre corpus, and see the original PDF related to it:

1. Choose the relevant Field to search (probably Movement Number, Piece Number, Amount or CompleteDate):



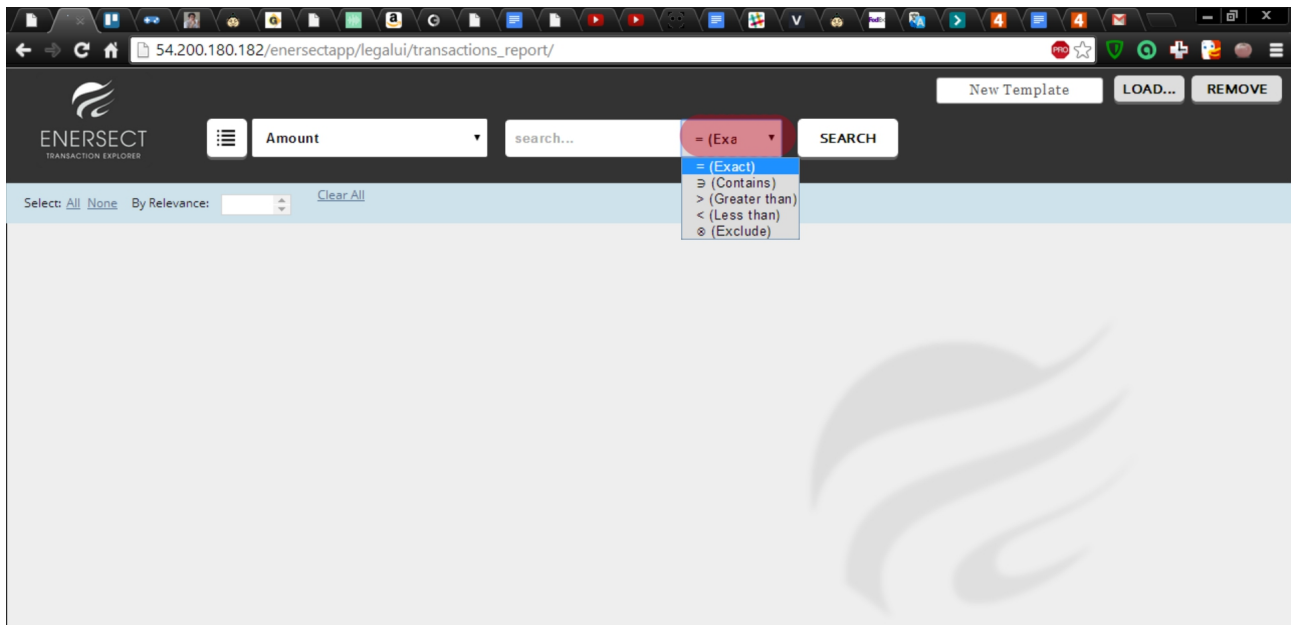
2. Fill the Content to search in that Field:



3. Choose a Rule for that search, between:

- Exact: Will only take into account items that have exactly that content. (In the example, 321 in the Piece Number)
- Contains: Will show any items that have at least that string as part of the content. (In the example, 321 in the Piece Number, and 3210 in the Piece Number, as well as 09321, etc.)

- Greater than: Will show any items whose content is bigger than the string provided.
When the input is a string and not a number, an item starting with G is bigger than an item starting with B. (In the example, 325 in Piece Number, as well as 4000, etc)
- Less than: Will show any items whose content is smaller than the string provided.
Opposite of “Greater than”.
- Exclude: Will show all items except the ones containing the text provided.(In the example, items that don't have 321 in their Piece Number)



4.Press Search.

This will create a Searchtag with the specified parameters, and show all the items that meet the requisites:

The screenshot shows the ENERSECT Transaction Explorer web application after a search. The search bar is set to 'Amount' and the filter is 'x (Exclude)'. The search results are displayed in a table with columns: Relevance, Transaction ID, Amount, Complete Date, Piece Number, Company, Movement Number, and PDF Views. The search tag 'Piece Number:321: = x' is visible above the table.

Relevance	Transaction ID	Amount	Complete Date	Piece Number	Company	Movement Number	PDF Views
1 ★	2291	-2321.0	25/03/2004	321	best ctd 460/2	321	
1 ★	3255	1000.0	06/04/2005	321	best ctd 460/2	321	
1 ★	11521	-1556.3	23/02/2010	321	best ctd	321	

Note: If at any point we press F5, the search will be repeated, conserving the created Searchtags.

If the search wants to be refined, we can either write in the filter boxes of each field, as in this example:

The screenshot shows the ENERSECT Transaction Explorer interface. The search bar at the top has a dropdown menu set to 'Amount' and a search box containing '100'. The search results table below shows a single entry with a Relevance score of 1 star.

Relevance	Transaction ID	Amount	Complete Date	Piece Number	Company	Movement Number	PDF Views
1 ★	3255	1000.0	06/04/2005	321	best ctd 460/2	321	

Or add a new Searchtag:

The screenshot shows the ENERSECT Transaction Explorer interface with two search filters applied: 'Piece Number: 321' and 'Amount: 1000.0'. The search results table below shows multiple entries with Relevance scores ranging from 1 star to 2 stars.

Relevance	Transaction ID	Amount	Complete Date	Piece Number	Company	Movement Number	PDF View
2 ★★	3255	1000.0	06/04/2005	321	best ctd 460/2	321	
1 ★	3258	1000.0	08/04/2005	334	best ctd 460/2	334	
1 ★	17614	1000.0	10/08/2005	1818	best usd 460/2	1818	
1 ★	2291	-2321.0	25/03/2004	321	best ctd 460/2	321	
1 ★	3341	1000.0	25/05/2005	634	best ctd 460/2	634	
1 ★	8215	1000.0	25/09/2008	2655	best ctd 460/2	2655	
1 ★	5863	1000.0	17/05/2007	1162	best ctd 460/2	1162	
1 ★	6141	1000.0	21/09/2007	2266	best ctd 460/2	2266	
1 ★	11521	-1556.3	23/02/2010	321	best ctd	321	
1 ★	17830	1000.0	10/08/2006	-	-	-	
1 ★	3284	1000.0	15/04/2005	326	best ctd 460/2	326	
1 ★	6155	1000.0	26/09/2007	2505	best ctd 460/2	2505	

In this case, we receive all results that compliment the first Searchtag, the second one, or both. Probably we are interested in the one that has Relevance Score of 2, as it fits both parameters.

This process allows us to create complex and flexible rules. For example, if we wanted all items between the Years 2003 and 2005, we would create 2 Searchtags: Year;2003;> and Year;2005;<.

The results we want would appear with a Relevance Score of 2, but we could still see the candidates fitting only one of the requisites:

Relevance	Transaction ID	Amount	Complete Date	Piece Number	Company	Movement Number
2 ★★	17258	5343.89	12/04/2004	931	best usd 460/2	931
2 ★★	17259	-59.0	15/04/2004	464	best usd 460/2	464
2 ★★	17250	-30.0	29/03/2004	383	best usd 460/2	383
2 ★★	17251	-1001.51	30/03/2004	382	best usd 460/2	382
2 ★★	17252	-5.9	01/04/2004	383	best usd 460/2	383
2 ★★	17253	-1001.52	01/04/2004	535	best usd 460/2	535
2 ★★	17254	-3001.51	05/04/2004	536	best usd 460/2	536
2 ★★	17255	-201.5	06/04/2004	781	best usd 460/2	781
2 ★★	17256	-1175.2	08/04/2004	538	best usd 460/2	538
2 ★★	17257	-6851.5	12/04/2004	813	best usd 460/2	813
2 ★★	2688	-1800.0	30/08/2004	1471	best ctd 460/2	1471
2 ★★	2689	-4052.73	01/09/2004	1133	best ctd 460/2	1133

Please note that the broader the search Rules, the bigger the processing time of the searches and sortings, as more items show up in the search.

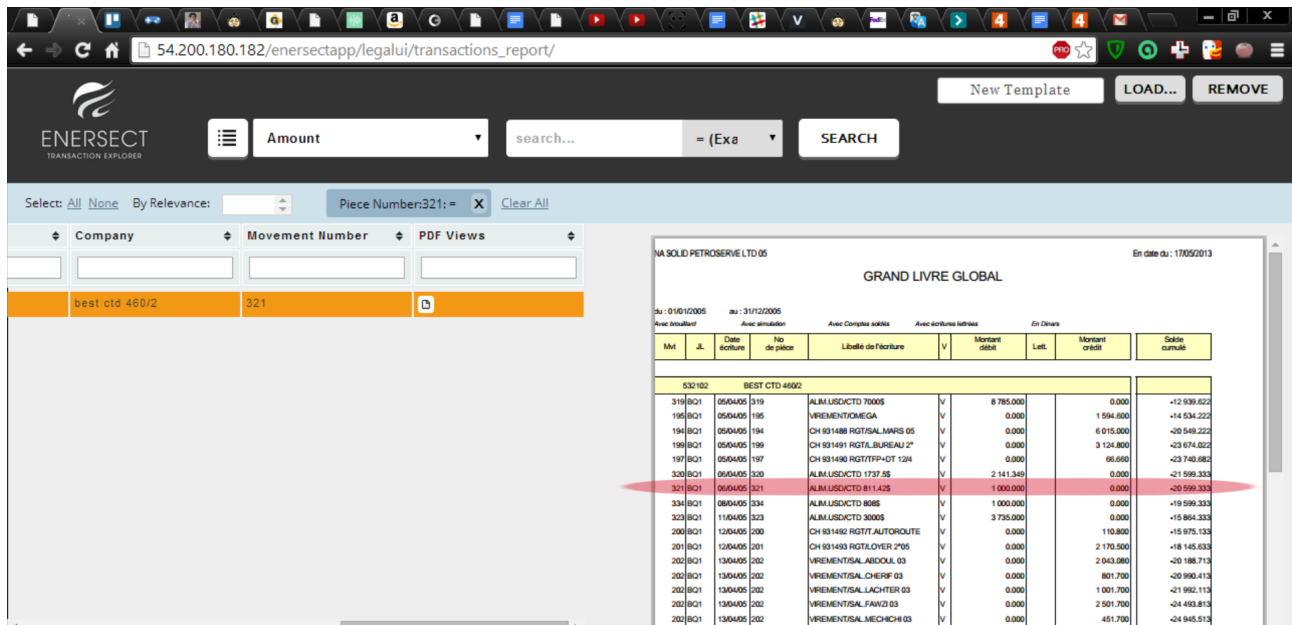
All columns can be sorted pressing in their headers. Unfortunately, resize isn't an option, but I feel the screen space is enough to show the most important fields comfortably at any time.

To see the original PDF:

Move to the last column, “PDF Views”, and press in the button with an icon. If there is no button, this candidate isn't related to any Grande Livre record, only to the Albaraka files, which can't be seen in this way at the moment. If there is more than one button, it means that there are various Grande Livre records related to this candidate:

Relevance	Transaction ID	Amount	Complete Date	Piece Number	Company	Movement Number	PDF Views
1 ★	3255	1000.0	08/04/2005	321	best ctd 460/2	321	

After we clicked, the window will change to show us the relevant page of the Grande Livre Ledger, in which we can explore and find our candidate:



ENERSECT TRANSACTION EXPLORER

Amount search... = (Exa) SEARCH

Select: All None By Relevance: Piece Number: 321: = X Clear All

Company Movement Number PDF Views

best ctd 460/2 321

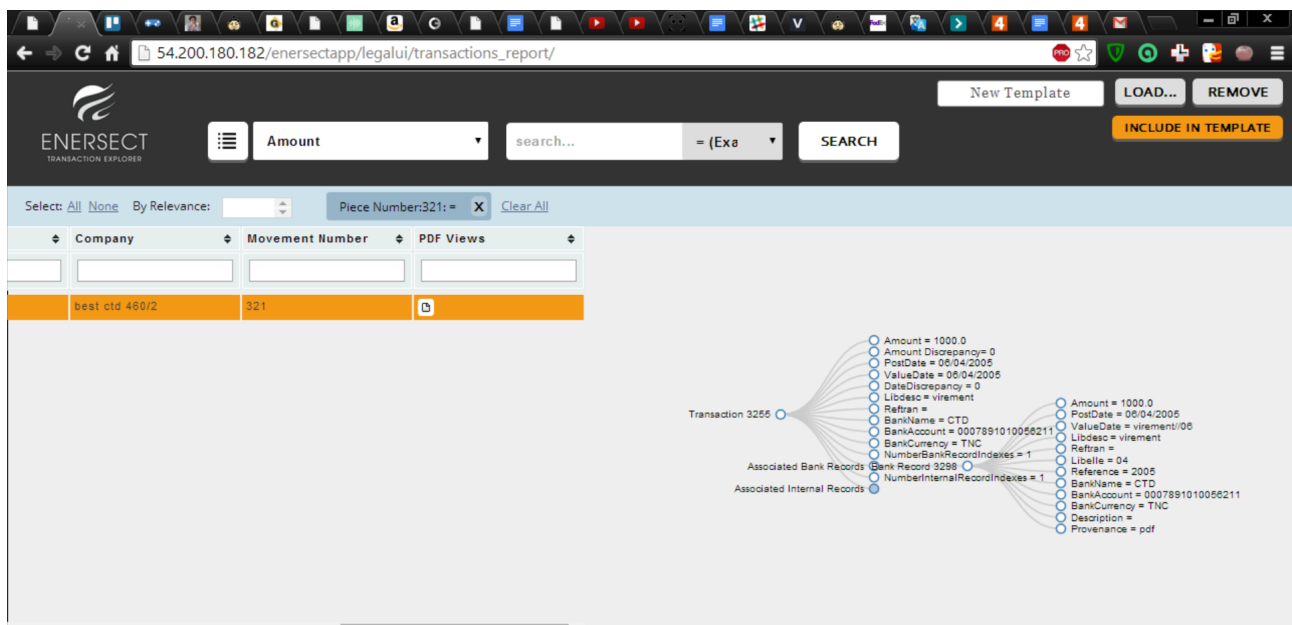
GRAND LIVRE GLOBAL

En date du: 17/05/2013

Md	JL	Date	No	Libelle de l'écriture	V	Montant	Let.	Montant	Solde
		écriture	de pièce			date		crist	cumulé
532102 BEST CTD 460/2									
319	BQ1	05/04/05	319	ALM USDCITD 70005	V	8 785.000		0.000	+12 939.622
199	BQ1	05/04/05	199	VIREMENTOMEGA	V	0.000		1 594.000	+14 534.222
199	BQ1	05/04/05	194	CH 931488 RGTSALAMRS 05	V	0.000		6 015.000	+20 549.222
199	BQ1	05/04/05	199	CH 931491 RGTSALAMRS 2"	V	0.000		3 124.800	+23 674.022
197	BQ1	05/04/05	197	CH 931490 RGTSALAMRS 1204	V	0.000		66.660	+23 740.682
320	BQ1	05/04/05	320	ALM USDCITD 1737.55	V	2 141.349		0.000	+21 599.333
321	BQ1	05/04/05	321	ALM USDCITD 811.425	V	1 000.000		0.000	+20 599.333
334	BQ1	08/04/05	334	ALM USDCITD 8085	V	1 000.000		0.000	+19 599.333
323	BQ1	11/04/05	323	ALM USDCITD 30005	V	3 735.000		0.000	+15 864.333
200	BQ1	12/04/05	200	CH 931492 RGTSALAMRS 1204	V	0.000		110.800	+15 975.133
201	BQ1	12/04/05	201	CH 931493 RGTSALAMRS 205	V	0.000		2 170.500	+18 145.633
202	BQ1	13/04/05	202	VIREMENTISALACHOU 03	V	0.000		2 043.000	+20 188.719
202	BQ1	13/04/05	202	VIREMENTISALACHOU 03	V	0.000		801.700	+20 990.419
202	BQ1	13/04/05	202	VIREMENTISALACHOU 03	V	0.000		1 001.700	+21 992.119
202	BQ1	13/04/05	202	VIREMENTISALACHOU 03	V	0.000		2 501.700	+24 493.819
202	BQ1	13/04/05	202	VIREMENTISALACHOU 03	V	0.000		451.700	+24 945.519

If we want to return to the original view, press the Pdf Icon again, or F5 to reset the search.

To search in the Albaraka Records, as I don't have the necessary data available yet, the original exploration method can be used: Click on the candidate, then explore the Transaction Tree:



The link between the data extracted from the corpus of Pdfs (what we call Icr Records) to the Transactions or Grande Livre Records are not available to me at this moment, so can't be searched with this tool.

However, this workflow allows to find the links / exact pages manually easier than what Nathan told me you were doing, so I hope it proves useful to you! :D. Please ask me any questions necessary. Good day!