

## Search History:

### Limited Classification Search

The Patent Analyst performed a limited classification search within the following US, IPC, CPC, ECLA, or F-Term classification areas:

U.S. Class/Subclass(es): 504/260; 546/310, 311, 327

IPC (8) Class/Subclass(es): A01N 43/40; C07D 213/61, 213/79, 213/803 (2014.01)

CPC Class/Subclass(es): A01N 43/40; C07D 213/61, 213/79, 213/803 (2014.02)

See Global Search Results.

### Global Patent Literature Text Search

The Patent Analyst performed the following global text search, which was not limited by classification but may or may not have been limited by other criteria:

#### PATBASE

#	Search query	Results
26	25 and (tac=((formic acid) or hco2h or hcooh))	23
25	24 and ((formic acid) or hco2h or hcooh)	164
24	23 and (tac=(hydroly* and (process* or prepar*)))	721
23	(sc=((a01n43/40) or (c07d213/61) or (c07d213/79) or (504/260) or (546/310) or (546/311))) and pd<20121213	16142
22	21 and ((formic acid) or hco2h or hcooh)	11
21	20 and (tac=hydroly*)	112
20	(sc=((c07d213/803) or (546/327))) and pd<20121213	827
19	18 and (9? percent formic acid)	591
18	17 and pd<20121213	3344
17	16 and tac=*pyridin*	3669
16	percent formic acid	17238
15	pn=(wo07082098 or us2010311981 or wo10149956 or wo11045561 or gb2486717 or us2012190551 or wo13101665 or wo13102078 or wo13101987)	9
14	13 and ((formic acid) or hco2h or hcooh)	4
13	rf=(74522)	51
12	11 and *pyridin*	28
11	tac=(neutrali* w10 ((formic acid) or hco2h or hcooh))	279
10	neutrali* w10 ((formic acid) or hco2h or hcooh)	1922
9	ctf 8 or ctb 8	148
8	pn=us7314849	1
7	pn=(gb2486717 or ep0374753 or ep0427529 or ep0451878 or us4834908 or	16

PCT Application No.: PCT-US13-74522  
Date of Search: 24 March 2014

	us5650417 or wo0151468 or wo0234048 or wo03011853 or wo03052073 or wo04089906 or wo05016887 or wo06062979 or wo9307278 or wo9534656 or wo9734485)	
6	ft=((943832-60-8) or (c13h9cl2fn2o3) or (de 729) or (de729) or (halauxifen) or (xde 729) or (xr 729) or (xde729) or (xr729))	110
5	3 or 4	17
4	pn=(us2012015811 or us2012021902 or us2012021903 or us2012021904 or us2011190128 or us2011207605 or us2011207606 or us2011207607 or us2011218103 or us2011230350 or us2011294664 or us2011045980 or us2011053778 or us8193121)	14
3	pn=(us2012021902 or us2012021903 or us2012021904 or us2011190128 or us2011207605 or us2011218103 or us2011230350 or us2011275516 or us2011294664 or us2011045980 or us2011053778 or us2011082039 or us8252938 or us8193121)	14
2	inv=((oppen* w1 jossi*) or (emond* w1 mark) or (clous* w1 rober*))	23
1	pa=(dow agro*)	1066

**Google Patents** [http://www.google.com/advanced\\_patent\\_search](http://www.google.com/advanced_patent_search)

No. of Hits	Text String
107	halauxifen
25	halauxifen purification
74	halauxifen neutralization
2	halauxifen formic acid

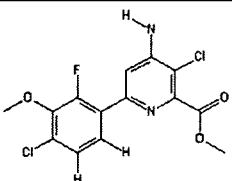
### Computer Accessed Text Databases Searched

The Patent Analyst searched the following computer accessed text databases:

**Google Scholar** <http://scholar.google.com/>

No. of Hits	Text String
2	halauxifen
2	author:terry author:balko

**PubChem** <http://pubchem.ncbi.nlm.nih.gov/>

No. of Hits	Text String
1	halauxifen
1	Halauxifen methyl
71	

Date search was completed: 24 March 2014

SM/BT