

<i>Search Notes</i> 	Application/Control No. 17/078,857	Applicant(s)/Patent Under Reexamination Bartha et al.
	Examiner KAIJIANG ZHANG	Art Unit 1639

CPC - Searched*		
Symbol	Date	Examiner

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
EAST inventor/assignee and text search	03/26/2021	KZ
STN keyword search	03/26/2021	KZ
Search updated	07/12/2021	KZ
Search updated	08/14/2021	KZ
Search updated	10/28/2021	KZ
Search updated	04/05/2022	KZ

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

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EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	43	(Gabor near2 Bartha).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:01
L2	25	(Gemma near2 Chandratillake).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:01
L3	1,162	(Richard near2 Chen).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:01
L4	44	(Sarah near2 Garcia).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:01
L5	50	(Hugo near3 Lam).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:01
L6	91	(Shujun near2 Luo).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:01
L7	333	(Mark near2 Pratt).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:01

EAST Search History (Prior Art)

L8	1,930	(John near2 West).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:01
L9	3,472	L1 L2 L3 L4 L5 L6 L7 L8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:01
L10	55	L9 and (exome same sequencing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:01
L11	38	L10 and ((enrich\$5 captur\$5 pull-down pulldown) with probe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:01
L12	34	L11 and ((enrich\$5 captur\$5 pull-down pulldown) with (polymorphism inDel SNV mutation insertion deletion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:01
L13	37	L10 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:02
L14	10	L10 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:03

EAST Search History (Prior Art)

L15	49	Personalis.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:03
L16	25	L15 and (exome same sequencing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:03
L17	20	L16 and ((enrich\$5 captur\$5 pull-down pulldown) with probe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:03
L18	4	L16 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:04
L19	16	L16 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:04
L20	342	(exome with sequencing) and (exome same ((enrich\$5 captur\$5 pull-down pulldown) with probe))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:04
L21	12	L20 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:04

EAST Search History (Prior Art)

L22	2,295	((targeted deep ultra-deep) near3 (sequencing resequencing re-sequencing)) same (polymorphism SNP inDel SNV mutation insertion deletion variant variation) same (cancer \$carcinoma tumor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:06
L23	274	L22 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:07
L24	200	L23 and (plasma same (cancer \$carcinoma tumor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:08
L25	6	L24 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:09
L26	12	L23 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:10
L27	415	((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)) same (cancer \$carcinoma tumor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:13
L28	248	L27 and ((sequencing with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)) same (cancer \$carcinoma tumor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:13

EAST Search History (Prior Art)

L29	19	L28 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:13
L30	14	("20180327834" "9745626" "20160362743" "0000002" "0015222" "20020006615" "20050042668" "20060184489" "20060278241" "20100042438" "20110009296" "20120270206" "20140200147" "9128861").PN.	US-PGPUB; USPAT	OR	ON	2022/04/05 15:14
L31	12	("10266890" "10415091" "20020006615" "20050042668" "20060184489" "20060278241" "20100042438" "20110009296" "20120270206" "20210047687" "9128861" "9745626").PN.	US-PGPUB; USPAT	OR	ON	2022/04/05 15:14
L32	8	L20 and (L30 L31)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:14
L33	0	L23 and (L30 L31)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:14
L34	0	L27 and (L30 L31)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:15
L35	0	L22 and (L30 L31)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:15
L36	8	(L30 L31) and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/04/05 15:16

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EAST inventor/assignee and text search	03/26/2021	KZ
STN keyword search	03/26/2021	KZ
Search updated	07/12/2021	KZ
Search updated	08/14/2021	KZ
Search updated	10/28/2021	KZ

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

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EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	40	(Gabor near2 Bartha).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:21
L2	23	(Gemma near2 Chandratillake).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:21
L3	1,145	(Richard near2 Chen).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:21
L4	42	(Sarah near2 Garcia).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:21
L5	46	(Hugo near3 Lam).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:21
L6	84	(Shujun near2 Luo).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:21
L7	321	(Mark near2 Pratt).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:21

EAST Search History (Prior Art)

L8	1,920	(John near2 West).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:21
L9	3,435	L1 L2 L3 L4 L5 L6 L7 L8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:21
L10	49	L9 and (exome same sequencing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:21
L11	34	L10 and ((enrich\$5 captur\$5 pull-down pulldown) with probe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:21
L12	30	L11 and ((enrich\$5 captur\$5 pull-down pulldown) with (polymorphism inDel SNV mutation insertion deletion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:21
L13	33	L10 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:22
L14	8	L10 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:23

EAST Search History (Prior Art)

L15	7	L9 and exome.clm. and (sequencing sequenced).clm. and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:23
L16	47	Personalis.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:23
L17	24	L16 and (exome same sequencing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:23
L18	20	L17 and ((enrich\$5 captur\$5 pull-down pulldown) with probe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:23
L19	4	L17 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:24
L20	16	L17 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:25
L21	4	L16 and exome.clm. and (sequencing sequenced).clm. and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:25

EAST Search History (Prior Art)

L22	310	(exome with sequencing) and (exome same ((enrich\$ captur\$ pull-down pulldown) with probe))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:26
L23	75	L22 and ((enrich\$ captur\$ pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:26
L24	10	L22 and ((enrich\$ captur\$ pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:26
L25	139	(exome with sequencing) and (exome with (enrich\$ captur\$)) and ((enrich\$ captur\$ pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:26
L26	16	L25 and ((enrich\$ captur\$ pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:26
L27	404	(exome with sequencing) and (exome same (TruSeq SureSelect))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:27
L28	53	L27 and ((enrich\$ captur\$ pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:27

EAST Search History (Prior Art)

L29	48	L28 and ((polymorphism SNP inDel SNV mutation insertion deletion variant variation) same (cancer \$carcinoma tumor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:27
L30	2	L29 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:27
L31	2	L28 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:27
L32	109	L27 and (((targeted deep ultra-deep) near3 (sequencing resequencing re-sequencing)) same (polymorphism SNP inDel SNV mutation insertion deletion variant variation) same (cancer \$carcinoma tumor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:28
L33	7	L32 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:28
L34	736	(exome with sequencing) and (((targeted deep ultra-deep) near3 (sequencing resequencing re-sequencing)) same (polymorphism SNP inDel SNV mutation insertion deletion variant variation) same (cancer \$carcinoma tumor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:28
L35	82	L34 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:28

EAST Search History (Prior Art)

L36	1	L35 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:28
L37	34	L34 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:28
L38	385	((enrich\$ captur\$ pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)) same (cancer \$carcinoma tumor)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:30
L39	385	L38 and ((polymorphism SNP inDel SNV mutation insertion deletion variant variation) same (cancer \$carcinoma tumor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:31
L40	226	L38 and ((sequencing with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)) same (cancer \$carcinoma tumor))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:32
L41	19	L40 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:32
L42	14	("20180327834" "9745626" "20160362743" "0000002" "0015222" "20020006615" "20050042668" "20060184489" "20060278241" "20100042438" "20110009296" "20120270206" "20140200147" "9128861").PN.	US-PGPUB; USPAT	OR	ON	2021/10/28 18:33
L43	12	("10266890" "10415091" "20020006615" "20050042668" "20060184489" "20060278241" "20100042438" "20110009296" "20120270206" "20210047687" "9128861" "9745626").PN.	US-PGPUB; USPAT	OR	ON	2021/10/28 18:33

EAST Search History (Prior Art)

L44	8	L22 and (L42 L43)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:33
L45	8	L25 and (L42 L43)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:34
L46	0	L34 and (L42 L43)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:34
L47	8	L27 and (L42 L43)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:34
L48	0	L38 and (L42 L43)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/10/28 18:34

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Search updated	07/12/2021	KZ

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L1	35	(Gabor near2 Bartha).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:00
L2	20	(Gemma near2 Chandratillake).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:00
L3	1,129	(Richard near2 Chen).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:00
L4	39	(Sarah near2 Garcia).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:00
L5	38	(Hugo near3 Lam).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:00
L6	78	(Shujun near2 Luo).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:00
L7	308	(Mark near2 Pratt).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:00

EAST Search History (Prior Art)

L8	1,901	(John near2 West).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:00
L9	3,389	L1 L2 L3 L4 L5 L6 L7 L8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:00
L10	41	L9 and (exome same sequencing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:00
L11	29	L10 and ((enrich\$5 captur\$5 pull-down pulldown) with probe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:00
L12	26	L11 and ((enrich\$5 captur\$5 pull-down pulldown) with (polymorphism inDel SNV mutation insertion deletion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:00
L13	28	L10 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:02
L14	7	L10 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:02

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L15	7	L9 and exome.clm. and (sequencing sequenced).clm. and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:02
L16	42	Personalis.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:03
L17	21	L16 and (exome same sequencing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:03
L18	18	L17 and ((enrich\$5 captur\$5 pull-down pulldown) with probe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:03
L19	4	L17 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:03
L20	14	L17 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:04
L21	4	L16 and exome.clm. and (sequencing sequenced).clm. and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:04

EAST Search History (Prior Art)

L22	280	(exome with sequencing) and (exome same ((enrich\$5 captur\$5 pull-down pulldown) with probe))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:04
L23	67	L22 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:04
L24	9	L22 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:04
L25	125	(exome with sequencing) and (exome with (enrich\$5 captur\$5)) and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:05
L26	15	L25 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:05
L27	14	("20180327834" "9745626" "20160362743" "0000002" "0015222" "20020006615" "20050042668" "20060184489" "20060278241" "20100042438" "20110009296" "20120270206" "20140200147" "9128861").PN.	US-PGPUB; USPAT	OR	ON	2021/07/12 22:05
L28	5	L22 and L27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:05

EAST Search History (Prior Art)

L29	5	L25 and L27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/07/12 22:05
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<i>Search Notes</i> 	Application/Control No. 17/078,857	Applicant(s)/Patent Under Reexamination Bartha et al.
	Examiner KAIJIANG ZHANG	Art Unit 1639

CPC - Searched*		
Symbol	Date	Examiner

CPC Combination Sets - Searched*		
Symbol	Date	Examiner

US Classification - Searched*			
Class	Subclass	Date	Examiner

* See search history printout included with this form or the SEARCH NOTES box below to determine the scope of the search.

Search Notes		
Search Notes	Date	Examiner
EAST inventor/assignee and text search	03/26/2021	KZ
STN keyword search	03/26/2021	KZ

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner

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EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	35	(Gabor near2 Bartha).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 11:49
L2	20	(Gemma near2 Chandratillake).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 11:49
L3	1,120	(Richard near2 Chen).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 11:49
L4	38	(Sarah near2 Garcia).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 11:49
L5	38	(Hugo near3 Lam).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 11:49
L6	73	(Shujun near2 Luo).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 11:49
L7	303	(Mark near2 Pratt).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 11:49

EAST Search History (Prior Art)

L8	1,894	(John near2 West).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 11:49
L9	3,364	L1 L2 L3 L4 L5 L6 L7 L8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 11:49
L10	39	L9 and (exome same sequencing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 11:49
L11	28	L10 and ((enrich\$5 captur\$5 pull-down pulldown) with probe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 11:49
L12	25	L11 and ((enrich\$5 captur\$5 pull-down pulldown) with (polymorphism inDel SNV mutation insertion deletion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 11:54
L13	27	L10 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 12:09
L14	7	L10 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 12:13

EAST Search History (Prior Art)

L15	7	L9 and exome.clm. and (sequencing sequenced).clm. and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 12:15
L16	36	Personalis.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 12:18
L17	18	L16 and (exome same sequencing)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 12:18
L18	16	L17 and ((enrich\$5 captur\$5 pull-down pulldown) with probe)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 12:18
L19	4	L17 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 12:18
L20	13	L17 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 12:20
L21	4	L16 and exome.clm. and (sequencing sequenced).clm. and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 12:21

EAST Search History (Prior Art)

L22	248	(exome with sequencing) and (exome same ((enrich\$5 captur\$5 pull-down pulldown) with probe))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 12:22
L23	61	L22 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 12:22
L24	9	L22 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 12:23
L25	109	(exome with sequencing) and (exome with (enrich\$5 captur\$5)) and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 12:26
L26	14	L25 and ((enrich\$5 captur\$5 pull-down pulldown) with probe with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 12:27
L27	14	("20180327834" "9745626" "20160362743" "0000002" "0015222" "20020006615" "20050042668" "20060184489" "20060278241" "20100042438" "20110009296" "20120270206" "20140200147" "9128861").PN.	US-PGPUB; USPAT	OR	ON	2021/03/26 12:28
L28	5	L22 and L27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 12:29

EAST Search History (Prior Art)

L29	5	L25 and L27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2021/03/26 12:30
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