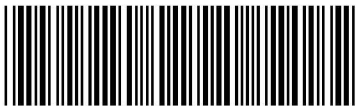


<i>Search Notes</i> 	Application/Control No. 17/548,379	Applicant(s)/Patent Under Reexamination Bartha et al.
	Examiner KAIJIANG ZHANG	Art Unit 1639

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	03/23/2022	KZ
STN keyword search	03/24/2022	KZ
Search updated	05/21/2022	KZ

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	Keyword search in EAST	05/21/2022	KZ

--	--

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	45	(Gabor near2 Bartha).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:37
L2	25	(Gemma near2 Chandratillake).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:37
L3	1,174	(Richard near2 Chen).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:37
L4	44	(Sarah near2 Garcia).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:37
L5	53	(Hugo near3 Lam).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:37
L6	97	(Shujun near2 Luo).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:37
L7	343	(Mark near2 Pratt).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:37

EAST Search History (Prior Art)

L8	1,937	(John near2 West).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:37
L9	3,507	L1 L2 L3 L4 L5 L6 L7 L8	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:37
L10	38	L9 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	2022/05/21 20:37
L11	38	L10 and (WGS ("whole genome" near3 sequenc\$3) (genom\$3 adj sequencing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:37
L12	38	L11 and ((cancer carcinoma tumor) same (mutation polymorphism SNP indel variant viriation insertion deletion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:37
L13	15	L9 and ((WGS ("whole genome" near3 sequenc\$3) (genom\$3 adj sequencing)) same ((enrich\$5 captur\$5 pull-down pulldown) with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:41
L14	53	Personalis.as.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:42

EAST Search History (Prior Art)

L15	19	L14 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	2022/05/21 20:42
L16	17	L15 and (WGS ("whole genome" near3 sequenc\$3) (genom\$3 adj sequencing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:42
L17	17	L16 and ((cancer carcinoma tumor) same (mutation polymorphism SNP indel variant viriation insertion deletion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:42
L18	7	L14 and ((WGS ("whole genome" near3 sequenc\$3) (genom\$3 adj sequencing)) same ((enrich\$5 captur\$5 pull-down pulldown) with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:42
L19	544	(WGS ("whole genome" near3 sequenc\$3) (genom\$3 adj sequencing)) same ((enrich\$5 captur\$5 pull-down pulldown) with (polymorphism SNP inDel SNV mutation insertion deletion variant variation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:43
L20	411	L19 and ((cancer carcinoma tumor) same (mutation polymorphism SNP indel variant viriation insertion deletion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:43
L21	46	L20 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:43

EAST Search History (Prior Art)

L22	76	(WGS ("whole genome" near3 sequenc\$3) (genom\$3 adj sequencing)) same ((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	2022/05/21 20:43
L23	5	L22 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:43
L24	420	((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	2022/05/21 20:44
L25	142	L24 and (WGS ("whole genome" near3 sequenc\$3) (genom\$3 adj sequencing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:44
L26	7	L25 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:44
L27	4,395	((enrich\$5 captur\$5 pull-down pulldown) 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	2022/05/21 20:45
L28	1,391	L27 and (WGS ("whole genome" near3 sequenc\$3) (genom\$3 adj sequencing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:45

EAST Search History (Prior Art)

L29	150	L28 and ((polymorphism SNP inDel SNV mutation insertion deletion variant variation) same (TruSeq SureSelect SeqCap))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:45
L30	3	L29 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:45
L31	485	(polymorphism SNP inDel SNV mutation insertion deletion variant variation) same ((enrich\$5 captur\$5 pull-down pulldown) with (TruSeq SureSelect SeqCap))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:45
L32	270	L31 and (WGS ("whole genome" near3 sequenc\$3) (genom\$3 adj sequencing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:45
L33	232	L32 and ((cancer carcinoma tumor) same (mutation polymorphism SNP indel variant viriation insertion deletion))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:45
L34	13	L33 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:45
L35	17	L32 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:46

EAST Search History (Prior Art)

L36	420	((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	2022/05/21 20:46
L37	142	L36 and (WGS ("whole genome" near3 sequenc\$3) (genom\$3 adj sequencing))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:46
L38	7	L37 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:46
L39	94	L19 and ((sample nucleic polynucleotide DNA) with ("time point" "later time" "earlier time"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:48
L40	12	L39 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:49
L41	256	L28 and ((sample nucleic polynucleotide DNA) with ("time point" "later time" "earlier time"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:50
L42	20	L41 and (@pd<"20130117" @ad<"20130117")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:50

EAST Search History (Prior Art)

L43	16	("10266890" "10415091" "11155867" "20020006615" "20050042668" "20060184489" "20060278241" "20100042438" "20110009296" "20120077682" "20120270206" "20180051338" "20210062258" "20210238677" "9128861" "9745626").PN.	US-PGPUB; USPAT	OR	ON	2022/05/21 20:51
L44	1	L19 and L43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:51
L45	1	L24 and L43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:51
L46	8	L28 and L43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:51
L47	1	L39 and L43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:52
L48	8	L41 and L43	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2022/05/21 20:52

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L49	44	(WGS ("whole genome" near3 sequenc\$3) (genom\$3 adj sequencing)).clm. and ((enrich\$5 captur\$5 pull-down pulldown) with (polymorphism SNP inDel SNV mutation insertion deletion variant variation)).clm.	US-PGPUB; USPAT	OR	ON	2022/05/21 20:53

EAST Search History (Interference)

L50	6	L49 and ((sample nucleic polynucleotide DNA) with ("time point" "later time" "earlier time")).clm.	US-PGPUB; USPAT	OR	ON	2022/05/21 20:54
-----	---	--	--------------------	----	----	------------------