

18352112

Google Scholar Search

/RSN/ 12/30/2023

wavelength fluorophores

wavelength fluorophores cumulative

wavelength fluorophores cumulative channel

wavelength fluorophores cumulative channel component

wavelength fluorophores cumulative channel component encode

wavelength fluorophores cumulative channel component excitement

wavelength fluorophores cumulative channel component hybridization

wavelength fluorophores cumulative channel analyte hybridization

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	3	("8838394," "10068051," "10770170," "11866768").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/12/30 02:19 PM
L2	0	"9376464".ap.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/12/30 02:26 PM
L3	16	"937464".ap.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/12/30 02:26 PM
L4	164	("10066263" OR "10068051" OR "10301668" OR "10770170" OR "20020022273" OR "20020146734" OR "20030134320" OR "20030148280" OR "20030148544" OR "20040053230" OR "20040191794" OR "20040248082" OR "20050053950" OR "20050064435" OR "20050106607" OR "20050164264" OR "20050214753" OR "20050250146" OR "20050260640" OR "20060039918" OR "20060216708" OR "20070072211" OR "20070178485" OR "20070231824" OR "20080050737" OR "20080069733" OR "20080096767" OR "20080124705" OR "20090042735" OR "20090048785" OR "20090062129" OR "20100015607" OR "20100041092" OR "20100047924" OR "20100112710" OR "20100120043" OR "20100151443" OR "20100159447" OR "20100210472" OR "20100233686" OR "20100248257" OR "20100261026" OR "20100267064" OR "20100273173" OR	(US-PGPUB; USPAT)	OR	ON	ON	2023/12/30 02:40 PM

		"20100317005" OR "20100324834" OR "20110104684" OR "20110151459" OR "20110151550" OR "20110171658" OR "20110183884" OR "20110207623" OR "20110223602" OR "20110237459" OR "20120003646" OR "20120040349" OR "20120040352" OR "20120045756" OR "20120077195" OR "20120101740" OR "20120122704" OR "20120141995" OR "20120171677" OR "20120184017" OR "20120190030" OR "20120196283" OR "20120244534" OR "20120252014" OR "20120252017" OR "20120258457" OR "20120302448" OR "20130017971" OR "20130040841" OR "20130078626" OR "20130116780" OR "20130261019" OR "20130288244" OR "20140004520" OR "20140038195" OR "20140171341" OR "20140213471" OR "20140274774" OR "20150057178" OR "20150140554" OR "20150211054" OR "20150275295" OR "20160040256" OR "20160108464" OR "20160201122" OR "20160273048" OR "20170145490" OR "20170314073" OR "20170362636" OR "20180030551" OR "20180052110" OR "20180057864" OR "20190002963" OR "20190032112" OR "20190112636" OR "20190233882" OR "20200010876" OR "5079351" OR				
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		"5538848" OR "5618711" OR "5677152" OR "5723591" OR "5773258" OR "5789224" OR "5804375" OR "5834203" OR "5876930" OR "5882856" OR "5928862" OR "5948360" OR "5981180" OR "5994056" OR "6030787" OR "6103463" OR "6127155" OR "6171785" OR "6258569" OR "6534266" OR "6534274" OR "6548259" OR "6642062" OR "6893875" OR "7101663" OR "7141377" OR "7348141" OR "7385043" OR "7410764" OR "7413708" OR "7473767" OR "7507575" OR "7575864" OR "7667024" OR "7671184" OR "7709249" OR "7767423" OR "7771949" OR "7919237" OR "7919244" OR "7930106" OR "7941279" OR "8039215" OR "8148512" OR "8426132" OR "8455184" OR "8492094" OR "8519115" OR "8614061" OR "8771955" OR "8838394" OR "8877464" OR "8962250" OR "9133506" OR "9222128" OR "9260761" OR "9366632" OR "9422593" OR					
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L5	147	"9441266" OR "9447457" OR "9458497" OR "9791372").pn. kartalov.in. NEAR emil.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2023/12/30 02:42 PM
L6	299	rajagopal.in. NEAR aditya.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2023/12/30 02:42 PM
L7	1102	scherer.in. NEAR axel.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2023/12/30 02:42 PM
L8	245314	(C12Q1/6825 or C12Q1/68 or C12Q1/6851 or G01N21/6486 or G16B5/00 or G16B25/00 or G16B25/20 or G16B40/10 or	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV,	OR	ON	ON	2023/12/30 02:43 PM

L9	1302	G06F17/10 or G06F17/11 or G16B40/00).cpc. L5 L6 L7	MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:43 PM
L10	124	L8 AND L9	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:43 PM
L11	669450	analytes	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L12	74	L10 AND L11	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30

L13	24385663	channels	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	02:44 PM
L14	49	L12 AND L13	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L15	7800095	wavelength	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM

L16	37838	L15 AND L8	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L17	69	L9 AND L16	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L18	368464	fluorophores	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L19	66	L17 AND L18	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY,	OR	ON	ON	2023/12/30 02:44 PM

L20	9645392	detector	CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:45 PM
L21	53	L19 AND L20	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:45 PM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

<i>Search Notes</i> 	Application/Control No. 18/352,112	Applicant(s)/Patent Under Reexamination KARTALOV et al.
	Examiner RUSSELL S NEGIN	Art Unit 1672

CPC - Searched*		
Symbol	Date	Examiner
C12Q1/6825 or C12Q1/68 or C12Q1/6851 or G01N21/6486 or G16B5/00 or G16B25/00 or G16B25/20 or G16B40/10 or G06F17/10 or G06F17/11 or G16B40/00	12/30/2023	RSN

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
see attached search history printouts	12/30/2023	RSN
PE2E Search prior art search	12/30/2023	RSN
PE2E Search inventor search on all inventors	12/30/2023	RSN
PDP inventor search		
PE2E Search CPC code search with modified terms	12/30/2023	RSN

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

/RUSSELL S NEGIN/ Primary Examiner, Art Unit 1672	
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<i>Search Notes</i> 	Application/Control No. 18/352,112	Applicant(s)/Patent Under Reexamination KARTALOV et al.
	Examiner RUSSELL S NEGIN	Art Unit 1672

/RUSSELL S NEGIN/ Primary Examiner, Art Unit 1672	
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18352112

Google Scholar Search

/RSN/ 2/3/2024

fluorophore cumulative signal

fluorophore cumulative signal wavelengths

fluorophore cumulative signal wavelengths channels

fluorophore cumulative signal wavelengths channels decoding

fluorophore cumulative signal wavelengths channels decoding intensities

fluorophore cumulative signal wavelengths channels decoding electromagnetic

fluorophore cumulative signal wavelengths channels decoding analytes

PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	3	("8838394," "10068051," "10770170," "11866768").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/12/30 02:19 PM
L2	0	"9376464".ap.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/12/30 02:26 PM
L3	16	"937464".ap.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/12/30 02:26 PM
L4	164	("10066263" OR "10068051" OR "10301668" OR "10770170" OR "20020022273" OR "20020146734" OR "20030134320" OR "20030148280" OR "20030148544" OR "20040053230" OR "20040191794" OR "20040248082" OR "20050053950" OR "20050064435" OR "20050106607" OR "20050164264" OR "20050214753" OR "20050250146" OR "20050260640" OR "20060039918" OR "20060216708" OR "20070072211" OR "20070178485" OR "20070231824" OR "20080050737" OR "20080069733" OR "20080096767" OR "20080124705" OR "20090042735" OR "20090048785" OR "20090062129" OR "20100015607" OR "20100041092" OR "20100047924" OR "20100112710" OR "20100120043" OR "20100151443" OR "20100159447" OR "20100210472" OR "20100233686" OR "20100248257" OR "20100261026" OR "20100267064" OR	(US-PGPUB; USPAT)	OR	ON	ON	2023/12/30 02:40 PM

		"20100273173" OR "20100317005" OR "20100324834" OR "20110104684" OR "20110151459" OR "20110151550" OR "20110171658" OR "20110183884" OR "20110207623" OR "20110223602" OR "20110237459" OR "20120003646" OR "20120040349" OR "20120040352" OR "20120045756" OR "20120077195" OR "20120101740" OR "20120122704" OR "20120141995" OR "20120171677" OR "20120184017" OR "20120190030" OR "20120196283" OR "20120244534" OR "20120252014" OR "20120252017" OR "20120258457" OR "20120302448" OR "20130017971" OR "20130040841" OR "20130078626" OR "20130116780" OR "20130261019" OR "20130288244" OR "20140004520" OR "20140038195" OR "20140171341" OR "20140213471" OR "20140274774" OR "20150057178" OR "20150140554" OR "20150211054" OR "20150275295" OR "20160040256" OR "20160108464" OR "20160201122" OR "20160273048" OR "20170145490" OR "20170314073" OR "20170362636" OR "20180030551" OR "20180052110" OR "20180057864" OR "20190002963" OR "20190032112" OR "20190112636" OR "20190233882" OR "20200010876" OR					
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		"5079351" OR "5538848" OR "5618711" OR "5677152" OR "5723591" OR "5773258" OR "5789224" OR "5804375" OR "5834203" OR "5876930" OR "5882856" OR "5928862" OR "5948360" OR "5981180" OR "5994056" OR "6030787" OR "6103463" OR "6127155" OR "6171785" OR "6258569" OR "6534266" OR "6534274" OR "6548259" OR "6642062" OR "6893875" OR "7101663" OR "7141377" OR "7348141" OR "7385043" OR "7410764" OR "7413708" OR "7473767" OR "7507575" OR "7575864" OR "7667024" OR "7671184" OR "7709249" OR "7767423" OR "7771949" OR "7919237" OR "7919244" OR "7930106" OR "7941279" OR "8039215" OR "8148512" OR "8426132" OR "8455184" OR "8492094" OR "8519115" OR "8614061" OR "8771955" OR "8838394" OR "8877464" OR "8962250" OR "9133506" OR "9222128" OR "9260761" OR "9366632" OR				
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L5	147	"9422593" OR "9441266" OR "9447457" OR "9458497" OR "9791372").pn. kartalov.in. NEAR emil.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2023/12/30 02:42 PM
L6	299	rajagopal.in. NEAR aditya.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2023/12/30 02:42 PM
L7	1102	scherer.in. NEAR axel.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2023/12/30 02:42 PM
L8	245314	(C12Q1/6825 or C12Q1/68 or C12Q1/6851 or G01N21/6486 or G16B5/00 or G16B25/00 or	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2023/12/30 02:43 PM

L9	1302	G16B25/20 or G16B40/10 or G06F17/10 or G06F17/11 or G16B40/00).cpc. L5 L6 L7	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:43 PM
L10	124	L8 AND L9	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:43 PM
L11	669450	analytes	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM

L12	74	L10 AND L11	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L13	24385663	channels	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L14	49	L12 AND L13	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L15	7800095	wavelength	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2023/12/30 02:44 PM

L16	37838	L15 AND L8	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L17	69	L9 AND L16	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L18	368464	fluorophores	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM

L19	66	L17 AND L18	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L20	9645392	detector	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:45 PM
L21	53	L19 AND L20	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:45 PM
L22	1	("11009486").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/12/31 07:15 AM
L23	1	("20110264420").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/12/31 02:49 PM
L24	4	("8838394," "10068051," "10770170," "11866768").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/03 11:31 AM

L25	0	"9376464".ap.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/03 11:31 AM
L26	17	"937464".ap.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/03 11:31 AM
L27	164	("10066263" OR "10068051" OR "10301668" OR "10770170" OR "20020022273" OR "20020146734" OR "20030134320" OR "20030148280" OR "20030148544" OR "20040053230" OR "20040191794" OR "20040248082" OR "20050053950" OR "20050064435" OR "20050106607" OR "20050164264" OR "20050214753" OR "20050250146" OR "20050260640" OR "20060039918" OR "20060216708" OR "20070072211" OR "20070178485" OR "20070231824" OR "20080050737" OR "20080069733" OR "20080096767" OR "20080124705" OR "20090042735" OR "20090048785" OR "20090062129" OR "20100015607" OR "20100041092" OR "20100047924" OR "20100112710" OR "20100120043" OR "20100151443" OR "20100159447" OR "20100210472" OR "20100233686" OR "20100248257" OR "20100261026" OR "20100267064" OR "20100273173" OR "20100317005" OR "20100324834" OR "20110104684" OR "20110151459" OR "20110151550" OR "20110171658" OR "20110183884" OR "20110207623" OR "20110223602" OR	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/03 11:31 AM

		"20110237459" OR "20120003646" OR "20120040349" OR "20120040352" OR "20120045756" OR "20120077195" OR "20120101740" OR "20120122704" OR "20120141995" OR "20120171677" OR "20120184017" OR "20120190030" OR "20120196283" OR "20120244534" OR "20120252014" OR "20120252017" OR "20120258457" OR "20120302448" OR "20130017971" OR "20130040841" OR "20130078626" OR "20130116780" OR "20130261019" OR "20130288244" OR "20140004520" OR "20140038195" OR "20140171341" OR "20140213471" OR "20140274774" OR "20150057178" OR "20150140554" OR "20150211054" OR "20150275295" OR "20160040256" OR "20160108464" OR "20160201122" OR "20160273048" OR "20170145490" OR "20170314073" OR "20170362636" OR "20180030551" OR "20180052110" OR "20180057864" OR "20190002963" OR "20190032112" OR "20190112636" OR "20190233882" OR "20200010876" OR "5079351" OR "5538848" OR "5618711" OR "5677152" OR "5723591" OR "5773258" OR "5789224" OR "5804375" OR "5834203" OR "5876930" OR					
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L28	151	"5882856" OR "5928862" OR "5948360" OR "5981180" OR "5994056" OR "6030787" OR "6103463" OR "6127155" OR "6171785" OR "6258569" OR "6534266" OR "6534274" OR "6548259" OR "6642062" OR "6893875" OR "7101663" OR "7141377" OR "7348141" OR "7385043" OR "7410764" OR "7413708" OR "7473767" OR "7507575" OR "7575864" OR "7667024" OR "7671184" OR "7709249" OR "7767423" OR "7771949" OR "7919237" OR "7919244" OR "7930106" OR "7941279" OR "8039215" OR "8148512" OR "8426132" OR "8455184" OR "8492094" OR "8519115" OR "8614061" OR "8771955" OR "8838394" OR "8877464" OR "8962250" OR "9133506" OR "9222128" OR "9260761" OR "9366632" OR "9422593" OR "9441266" OR "9447457" OR "9458497" OR "9791372").pn. kartalov.in. NEAR emil.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/02/03 11:31 AM
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L29	304	rajagopal.in. NEAR aditya.in.	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT) (US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/03 11:31 AM
L30	1105	scherer.in. NEAR axel.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/03 11:31 AM
L31	246800	(C12Q1/6825 or C12Q1/68 or C12Q1/6851 or G01N21/6486 or G16B5/00 or G16B25/00 or G16B25/20 or G16B40/10 or G06F17/10 or G06F17/11 or G16B40/00).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM

L32	1309	L5 L6 L7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L33	127	L8 AND L9	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L34	674085	analytes	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L35	77	L10 AND L11	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2024/02/03 11:31 AM

L36	24551447	channels	NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L37	52	L12 AND L13	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L38	7848544	wavelength	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L39	38061	L15 AND L8	(US-PGPUB; USPAT;	OR	ON	ON	2024/02/03

L40	72	L9 AND L16	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	11:31 AM
L41	371430	fluorophores	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L42	69	L17 AND L18	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM

L43	9696276	detector	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L44	56	L19 AND L20	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L45	1	("11009486").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/03 11:31 AM
L46	1	("20110264420").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/03 11:31 AM

PE2E SEARCH - Search History (Interference)

There are no Interference searches to show.

<i>Search Notes</i> 	Application/Control No. 18/352,112	Applicant(s)/Patent Under Reexamination KARTALOV et al.
	Examiner RUSSELL S NEGIN	Art Unit 1672

CPC - Searched*		
Symbol	Date	Examiner
C12Q1/6825 or C12Q1/68 or C12Q1/6851 or G01N21/6486 or G16B5/00 or G16B25/00 or G16B25/20 or G16B40/10 or G06F17/10 or G06F17/11 or G16B40/00	02/03/2024	RSN

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
see attached search history printouts	02/03/2024	RSN
PE2E Search prior art search	02/03/2024	RSN
PE2E Search inventor search on all inventors	02/03/2024	RSN
PDP inventor search	02/03/2024	RSN
PE2E Search CPC code search with modified terms	02/03/2024	RSN

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

/RUSSELL S NEGIN/ Primary Examiner, Art Unit 1672	
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<i>Search Notes</i> 	Application/Control No. 18/352,112	Applicant(s)/Patent Under Reexamination KARTALOV et al.
	Examiner RUSSELL S NEGIN	Art Unit 1672

/RUSSELL S NEGIN/ Primary Examiner, Art Unit 1672	
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PE2E SEARCH - Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
L1	3	("8838394," "10068051," "10770170," "11866768").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/12/30 02:19 PM
L2	0	"9376464".ap.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/12/30 02:26 PM
L3	16	"937464".ap.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/12/30 02:26 PM
L4	164	("10066263" OR "10068051" OR "10301668" OR "10770170" OR "20020022273" OR "20020146734" OR "20030134320" OR "20030148280" OR "20030148544" OR "20040053230" OR "20040191794" OR "20040248082" OR "20050053950" OR "20050064435" OR "20050106607" OR "20050164264" OR "20050214753" OR "20050250146" OR "20050260640" OR "20060039918" OR "20060216708" OR "20070072211" OR "20070178485" OR "20070231824" OR "20080050737" OR "20080069733" OR "20080096767" OR "20080124705" OR "20090042735" OR "20090048785" OR "20090062129" OR "20100015607" OR "20100041092" OR "20100047924" OR "20100112710" OR "20100120043" OR "20100151443" OR "20100159447" OR "20100210472" OR "20100233686" OR "20100248257" OR "20100261026" OR "20100267064" OR	(US-PGPUB; USPAT)	OR	ON	ON	2023/12/30 02:40 PM

		"20100273173" OR "20100317005" OR "20100324834" OR "20110104684" OR "20110151459" OR "20110151550" OR "20110171658" OR "20110183884" OR "20110207623" OR "20110223602" OR "20110237459" OR "20120003646" OR "20120040349" OR "20120040352" OR "20120045756" OR "20120077195" OR "20120101740" OR "20120122704" OR "20120141995" OR "20120171677" OR "20120184017" OR "20120190030" OR "20120196283" OR "20120244534" OR "20120252014" OR "20120252017" OR "20120258457" OR "20120302448" OR "20130017971" OR "20130040841" OR "20130078626" OR "20130116780" OR "20130261019" OR "20130288244" OR "20140004520" OR "20140038195" OR "20140171341" OR "20140213471" OR "20140274774" OR "20150057178" OR "20150140554" OR "20150211054" OR "20150275295" OR "20160040256" OR "20160108464" OR "20160201122" OR "20160273048" OR "20170145490" OR "20170314073" OR "20170362636" OR "20180030551" OR "20180052110" OR "20180057864" OR "20190002963" OR "20190032112" OR "20190112636" OR "20190233882" OR "20200010876" OR					
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		"5079351" OR "5538848" OR "5618711" OR "5677152" OR "5723591" OR "5773258" OR "5789224" OR "5804375" OR "5834203" OR "5876930" OR "5882856" OR "5928862" OR "5948360" OR "5981180" OR "5994056" OR "6030787" OR "6103463" OR "6127155" OR "6171785" OR "6258569" OR "6534266" OR "6534274" OR "6548259" OR "6642062" OR "6893875" OR "7101663" OR "7141377" OR "7348141" OR "7385043" OR "7410764" OR "7413708" OR "7473767" OR "7507575" OR "7575864" OR "7667024" OR "7671184" OR "7709249" OR "7767423" OR "7771949" OR "7919237" OR "7919244" OR "7930106" OR "7941279" OR "8039215" OR "8148512" OR "8426132" OR "8455184" OR "8492094" OR "8519115" OR "8614061" OR "8771955" OR "8838394" OR "8877464" OR "8962250" OR "9133506" OR "9222128" OR "9260761" OR "9366632" OR				
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L5	147	"9422593" OR "9441266" OR "9447457" OR "9458497" OR "9791372").pn. kartalov.in. NEAR emil.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2023/12/30 02:42 PM
L6	299	rajagopal.in. NEAR aditya.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2023/12/30 02:42 PM
L7	1102	scherer.in. NEAR axel.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2023/12/30 02:42 PM
L8	245314	(C12Q1/6825 or C12Q1/68 or C12Q1/6851 or G01N21/6486 or G16B5/00 or G16B25/00 or	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB,	OR	ON	ON	2023/12/30 02:43 PM

L9	1302	G16B25/20 or G16B40/10 or G06F17/10 or G06F17/11 or G16B40/00).cpc. L5 L6 L7	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:43 PM
L10	124	L8 AND L9	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:43 PM
L11	669450	analytes	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM

L12	74	L10 AND L11	IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L13	24385663	channels	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L14	49	L12 AND L13	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L15	7800095	wavelength	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS,	OR	ON	ON	2023/12/30 02:44 PM

L16	37838	L15 AND L8	IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L17	69	L9 AND L16	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L18	368464	fluorophores	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM

L19	66	L17 AND L18	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:44 PM
L20	9645392	detector	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:45 PM
L21	53	L19 AND L20	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2023/12/30 02:45 PM
L22	1	("11009486").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/12/31 07:15 AM
L23	1	("20110264420").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2023/12/31 02:49 PM
L24	4	("8838394," "10068051," "10770170," "11866768").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/03 11:31 AM

L25	0	"9376464".ap.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/03 11:31 AM
L26	17	"937464".ap.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/03 11:31 AM
L27	164	("10066263" OR "10068051" OR "10301668" OR "10770170" OR "20020022273" OR "20020146734" OR "20030134320" OR "20030148280" OR "20030148544" OR "20040053230" OR "20040191794" OR "20040248082" OR "20050053950" OR "20050064435" OR "20050106607" OR "20050164264" OR "20050214753" OR "20050250146" OR "20050260640" OR "20060039918" OR "20060216708" OR "20070072211" OR "20070178485" OR "20070231824" OR "20080050737" OR "20080069733" OR "20080096767" OR "20080124705" OR "20090042735" OR "20090048785" OR "20090062129" OR "20100015607" OR "20100041092" OR "20100047924" OR "20100112710" OR "20100120043" OR "20100151443" OR "20100159447" OR "20100210472" OR "20100233686" OR "20100248257" OR "20100261026" OR "20100267064" OR "20100273173" OR "20100317005" OR "20100324834" OR "20110104684" OR "20110151459" OR "20110151550" OR "20110171658" OR "20110183884" OR "20110207623" OR "20110223602" OR	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/03 11:31 AM

		"20110237459" OR "20120003646" OR "20120040349" OR "20120040352" OR "20120045756" OR "20120077195" OR "20120101740" OR "20120122704" OR "20120141995" OR "20120171677" OR "20120184017" OR "20120190030" OR "20120196283" OR "20120244534" OR "20120252014" OR "20120252017" OR "20120258457" OR "20120302448" OR "20130017971" OR "20130040841" OR "20130078626" OR "20130116780" OR "20130261019" OR "20130288244" OR "20140004520" OR "20140038195" OR "20140171341" OR "20140213471" OR "20140274774" OR "20150057178" OR "20150140554" OR "20150211054" OR "20150275295" OR "20160040256" OR "20160108464" OR "20160201122" OR "20160273048" OR "20170145490" OR "20170314073" OR "20170362636" OR "20180030551" OR "20180052110" OR "20180057864" OR "20190002963" OR "20190032112" OR "20190112636" OR "20190233882" OR "20200010876" OR "5079351" OR "5538848" OR "5618711" OR "5677152" OR "5723591" OR "5773258" OR "5789224" OR "5804375" OR "5834203" OR "5876930" OR					
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L28	151	"5882856" OR "5928862" OR "5948360" OR "5981180" OR "5994056" OR "6030787" OR "6103463" OR "6127155" OR "6171785" OR "6258569" OR "6534266" OR "6534274" OR "6548259" OR "6642062" OR "6893875" OR "7101663" OR "7141377" OR "7348141" OR "7385043" OR "7410764" OR "7413708" OR "7473767" OR "7507575" OR "7575864" OR "7667024" OR "7671184" OR "7709249" OR "7767423" OR "7771949" OR "7919237" OR "7919244" OR "7930106" OR "7941279" OR "8039215" OR "8148512" OR "8426132" OR "8455184" OR "8492094" OR "8519115" OR "8614061" OR "8771955" OR "8838394" OR "8877464" OR "8962250" OR "9133506" OR "9222128" OR "9260761" OR "9366632" OR "9422593" OR "9441266" OR "9447457" OR "9458497" OR "9791372").pn. kartalov.in. NEAR emil.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/02/03 11:31 AM
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L29	304	rajagopal.in. NEAR aditya.in.	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT) (US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/03 11:31 AM
L30	1105	scherer.in. NEAR axel.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/03 11:31 AM
L31	246800	(C12Q1/6825 or C12Q1/68 or C12Q1/6851 or G01N21/6486 or G16B5/00 or G16B25/00 or G16B25/20 or G16B40/10 or G06F17/10 or G06F17/11 or G16B40/00).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM

L32	1309	L5 L6 L7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L33	127	L8 AND L9	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L34	674085	analytes	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L35	77	L10 AND L11	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL,	OR	ON	ON	2024/02/03 11:31 AM

L36	24551447	channels	NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L37	52	L12 AND L13	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L38	7848544	wavelength	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L39	38061	L15 AND L8	(US-PGPUB; USPAT;	OR	ON	ON	2024/02/03

L40	72	L9 AND L16	USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	11:31 AM
L41	371430	fluorophores	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L42	69	L17 AND L18	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM

L43	9696276	detector	PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L44	56	L19 AND L20	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/02/03 11:31 AM
L45	1	("11009486").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/03 11:31 AM
L46	1	("20110264420").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/02/03 11:31 AM
L47	4	("8838394," "10068051," "10770170," "11866768").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/05/27 12:48 PM
L48	3	("20050079514," "20130045873," "20060088876").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/01 09:20 AM
L49	100	defb8 OR hamp2	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/01 09:20 AM
L50	0	L48 AND L49	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/01 09:20 AM
L51	1	("10441517").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/01 12:45 PM

L52	4	("8838394," "10068051," "10770170," "11866768").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/19 10:55 AM
L53	0	"9376464".ap.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/19 10:55 AM
L54	18	"937464".ap.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/19 10:55 AM
L55	164	("10066263" OR "10068051" OR "10301668" OR "10770170" OR "20020022273" OR "20020146734" OR "20030134320" OR "20030148280" OR "20030148544" OR "20040053230" OR "20040191794" OR "20040248082" OR "20050053950" OR "20050064435" OR "20050106607" OR "20050164264" OR "20050214753" OR "20050250146" OR "20050260640" OR "20060039918" OR "20060216708" OR "20070072211" OR "20070178485" OR "20070231824" OR "20080050737" OR "20080069733" OR "20080096767" OR "20080124705" OR "20090042735" OR "20090048785" OR "20090062129" OR "20100015607" OR "20100041092" OR "20100047924" OR "20100112710" OR "20100120043" OR "20100151443" OR "20100159447" OR "20100210472" OR "20100233686" OR "20100248257" OR "20100261026" OR "20100267064" OR "20100273173" OR "20100317005" OR "20100324834" OR "20110104684" OR "20110151459" OR "20110151550" OR	(US-PGPUB; USPAT)	OR	ON	ON	2024/06/19 10:55 AM

		"20110171658" OR "20110183884" OR "20110207623" OR "20110223602" OR "20110237459" OR "20120003646" OR "20120040349" OR "20120040352" OR "20120045756" OR "20120077195" OR "20120101740" OR "20120122704" OR "20120141995" OR "20120171677" OR "20120184017" OR "20120190030" OR "20120196283" OR "20120244534" OR "20120252014" OR "20120252017" OR "20120258457" OR "20120302448" OR "20130017971" OR "20130040841" OR "20130078626" OR "20130116780" OR "20130261019" OR "20130288244" OR "20140004520" OR "20140038195" OR "20140171341" OR "20140213471" OR "20140274774" OR "20150057178" OR "20150140554" OR "20150211054" OR "20150275295" OR "20160040256" OR "20160108464" OR "20160201122" OR "20160273048" OR "20170145490" OR "20170314073" OR "20170362636" OR "20180030551" OR "20180052110" OR "20180057864" OR "20190002963" OR "20190032112" OR "20190112636" OR "20190233882" OR "20200010876" OR "5079351" OR "5538848" OR "5618711" OR "5677152" OR "5723591" OR "5773258" OR				
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		"5789224" OR "5804375" OR "5834203" OR "5876930" OR "5882856" OR "5928862" OR "5948360" OR "5981180" OR "5994056" OR "6030787" OR "6103463" OR "6127155" OR "6171785" OR "6258569" OR "6534266" OR "6534274" OR "6548259" OR "6642062" OR "6893875" OR "7101663" OR "7141377" OR "7348141" OR "7385043" OR "7410764" OR "7413708" OR "7473767" OR "7507575" OR "7575864" OR "7667024" OR "7671184" OR "7709249" OR "7767423" OR "7771949" OR "7919237" OR "7919244" OR "7930106" OR "7941279" OR "8039215" OR "8148512" OR "8426132" OR "8455184" OR "8492094" OR "8519115" OR "8614061" OR "8771955" OR "8838394" OR "8877464" OR "8962250" OR "9133506" OR "9222128" OR "9260761" OR "9366632" OR "9422593" OR "9441266" OR "9447457" OR "9458497" OR "9791372").pn.				
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L56	157	kartalov.in. NEAR emil.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2024/06/19 10:55 AM
L57	320	rajagopal.in. NEAR aditya.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2024/06/19 10:55 AM
L58	1124	scherer.in. NEAR axel.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2024/06/19 10:55 AM
L59	258384	(C12Q1/6825 or C12Q1/68 or C12Q1/6851 or G01N21/6486 or G16B5/00 or G16B25/00 or G16B25/20 or G16B40/10 or G06F17/10 or G06F17/11 or G16B40/00).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2024/06/19 10:55 AM

L60	1336	L5 L6 L7	TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L61	140	L8 AND L9	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L62	693002	analytes	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L63	86	L10 AND L11	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/06/19 10:55 AM

L64	25200697	channels	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L65	61	L12 AND L13	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L66	8043112	wavelength	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN,	OR	ON	ON	2024/06/19 10:55 AM

L67	39673	L15 AND L8	WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L68	85	L9 AND L16	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L69	383248	fluorophores	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L70	82	L17 AND L18	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2024/06/19 10:55 AM

L71	9898965	detector	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L72	66	L19 AND L20	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L73	1	("11009486").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/19 10:55 AM
L74	1	("20110264420").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/19 10:55 AM
L75	4	("8838394," "10068051," "10770170," "11866768").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/19 10:55 AM
L76	0	"9376464".ap.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/19 10:55 AM
L77	18	"937464".ap.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/19 10:55 AM

L78	164	("10066263" OR "10068051" OR "10301668" OR "10770170" OR "20020022273" OR "20020146734" OR "20030134320" OR "20030148280" OR "20030148544" OR "20040053230" OR "20040191794" OR "20040248082" OR "20050053950" OR "20050064435" OR "20050106607" OR "20050164264" OR "20050214753" OR "20050250146" OR "20050260640" OR "20060039918" OR "20060216708" OR "20070072211" OR "20070178485" OR "20070231824" OR "20080050737" OR "20080069733" OR "20080096767" OR "20080124705" OR "20090042735" OR "20090048785" OR "20090062129" OR "20100015607" OR "20100041092" OR "20100047924" OR "20100112710" OR "20100120043" OR "20100151443" OR "20100159447" OR "20100210472" OR "20100233686" OR "20100248257" OR "20100261026" OR "20100267064" OR "20100273173" OR "20100317005" OR "20100324834" OR "20110104684" OR "20110151459" OR "20110151550" OR "20110171658" OR "20110183884" OR "20110207623" OR "20110223602" OR "20110237459" OR "20120003646" OR "20120040349" OR "20120040352" OR "20120045756" OR	(US-PGPUB; USPAT)	OR	ON	ON	2024/06/19 10:55 AM
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		"20120077195" OR "20120101740" OR "20120122704" OR "20120141995" OR "20120171677" OR "20120184017" OR "20120190030" OR "20120196283" OR "20120244534" OR "20120252014" OR "20120252017" OR "20120258457" OR "20120302448" OR "20130017971" OR "20130040841" OR "20130078626" OR "20130116780" OR "20130261019" OR "20130288244" OR "20140004520" OR "20140038195" OR "20140171341" OR "20140213471" OR "20140274774" OR "20150057178" OR "20150140554" OR "20150211054" OR "20150275295" OR "20160040256" OR "20160108464" OR "20160201122" OR "20160273048" OR "20170145490" OR "20170314073" OR "20170362636" OR "20180030551" OR "20180052110" OR "20180057864" OR "20190002963" OR "20190032112" OR "20190112636" OR "20190233882" OR "20200010876" OR "5079351" OR "5538848" OR "5618711" OR "5677152" OR "5723591" OR "5773258" OR "5789224" OR "5804375" OR "5834203" OR "5876930" OR "5882856" OR "5928862" OR "5948360" OR "5981180" OR "5994056" OR					
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L79	157	"6030787" OR "6103463" OR "6127155" OR "6171785" OR "6258569" OR "6534266" OR "6534274" OR "6548259" OR "6642062" OR "6893875" OR "7101663" OR "7141377" OR "7348141" OR "7385043" OR "7410764" OR "7413708" OR "7473767" OR "7507575" OR "7575864" OR "7667024" OR "7671184" OR "7709249" OR "7767423" OR "7771949" OR "7919237" OR "7919244" OR "7930106" OR "7941279" OR "8039215" OR "8148512" OR "8426132" OR "8455184" OR "8492094" OR "8519115" OR "8614061" OR "8771955" OR "8838394" OR "8877464" OR "8962250" OR "9133506" OR "9222128" OR "9260761" OR "9366632" OR "9422593" OR "9441266" OR "9447457" OR "9458497" OR "9791372").pn. kartalov.in. NEAR emil.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO,	OR	ON	ON	2024/06/19 10:55 AM
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L80	320	rajagopal.in. NEAR aditya.in.	MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT) (US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2024/06/19 10:55 AM
L81	1124	scherer.in. NEAR axel.in.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT)	OR	ON	ON	2024/06/19 10:55 AM
L82	258384	(C12Q1/6825 or C12Q1/68 or C12Q1/6851 or G01N21/6486 or G16B5/00 or G16B25/00 or G16B25/20 or G16B40/10 or G06F17/10 or G06F17/11 or G16B40/00).cpc.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L83	1336	L5 L6 L7	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/06/19 10:55 AM

L84	140	L8 AND L9	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L85	693002	analytes	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L86	86	L10 AND L11	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM

L87	25200697	channels	WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L88	61	L12 AND L13	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L89	8043112	wavelength	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L90	39673	L15 AND L8	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2024/06/19 10:55 AM

L91	85	L9 AND L16	EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L92	383248	fluorophores	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L93	82	L17 AND L18	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM

L94	9898965	detector	JPO; DERWENT; IBM_TDB) (US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L95	66	L19 AND L20	(US-PGPUB; USPAT; USOCR; FIT (AP, AT, AU, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, MC, MD, MY, NL, NO, NZ, OA, PH, PL, PT, RO, RS, RU, SE, SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/06/19 10:55 AM
L96	1	("11009486").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/19 10:55 AM
L97	1	("20110264420").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/19 10:55 AM
L98	4	("8838394," "10068051," "10770170," "11866768").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/19 10:55 AM
L99	3	("20050079514," "20130045873," "20060088876").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/19 10:55 AM
L100	100	defb8 OR hamp2	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/19 10:55 AM
L101	0	L48 AND L49	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/19 10:55 AM
L102	1	("10441517").pn.	(US-PGPUB; USPAT; USOCR)	OR	ON	ON	2024/06/19 10:55 AM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N1	1638689	wavelength	(US-PGPUB; USPAT)	OR	ON	ON	2024/06/19 10:53 AM
N2	413010	cumulative	(US-PGPUB; USPAT)	OR	ON	ON	2024/06/19 10:53 AM
N3	65345	N1 AND N2	(US-PGPUB; USPAT)	OR	ON	ON	2024/06/19 10:54 AM
N4	133465	fluorophore	(US-PGPUB; USPAT)	OR	ON	ON	2024/06/19 10:54 AM
N5	7003	N3 AND N4	(US-PGPUB; USPAT)	OR	ON	ON	2024/06/19 10:54 AM
N6	4423180	channels	(US-PGPUB; USPAT)	OR	ON	ON	2024/06/19 10:54 AM
N7	4235	N5 AND N6	(US-PGPUB; USPAT)	OR	ON	ON	2024/06/19 10:54 AM
N8	190616	analytes	(US-PGPUB; USPAT)	OR	ON	ON	2024/06/19 10:55 AM
N9	1801	N7 AND N8	(US-PGPUB; USPAT)	OR	ON	ON	2024/06/19 10:55 AM
N10	773765	decoding	(US-PGPUB; USPAT)	OR	ON	ON	2024/06/19 10:55 AM
N11	306	N9 AND N10	(US-PGPUB; USPAT)	OR	ON	ON	2024/06/19 10:55 AM

18352112

Google Scholar Search

/RSN/ 6/19/2024

probes hybridization fluorophores

probes hybridization fluorophores wavelengths

probes hybridization fluorophores wavelengths channels

probes hybridization fluorophores wavelengths channels decoding

probes hybridization fluorophores wavelengths channels decoding cumulative

probes hybridization fluorophores wavelengths channels decoding component

probes hybridization fluorophores wavelengths channels decoding analytes

<i>Search Notes</i> 	Application/Control No. 18/352,112	Applicant(s)/Patent Under Reexamination KARTALOV et al.
	Examiner RUSSELL S NEGIN	Art Unit 1672

CPC - Searched*		
Symbol	Date	Examiner
C12Q1/6825 or C12Q1/68 or C12Q1/6851 or G01N21/6486 or G16B5/00 or G16B25/00 or G16B25/20 or G16B40/10 or G06F17/10 or G06F17/11 or G16B40/00	06/19/2024	RSN

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
see attached search history printouts	06/19/2024	RSN
PE2E Search prior art search	06/19/2024	RSN
PE2E Search inventor search on all inventors	06/19/2024	RSN
PDP inventor search	06/19/2024	RSN
PE2E Search CPC code search with modified terms	06/19/2024	RSN

Interference Search			
US Class/CPC Symbol	US Subclass/CPC Group	Date	Examiner
	see attached interference search history printouts	06/19/2024	RSN

/RUSSELL S NEGIN/ Primary Examiner, Art Unit 1672	
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<i>Search Notes</i> 	Application/Control No. 18/352,112	Applicant(s)/Patent Under Reexamination KARTALOV et al.
	Examiner RUSSELL S NEGIN	Art Unit 1672

/RUSSELL S NEGIN/ Primary Examiner, Art Unit 1672	
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