date, time	web site	search string
12/13/2024 5:13:34 PM	Google Patents	Search Term 1 eyeglasses Search Term 2 eyeglasses according Search Term 3 microphone Search Term 4 connector Search Term 5 connection Before Priority Date: priority:20020124
12/13/2024 5:13:40 PM	Google Scholar	solar cell integrated spectacles according integration glasses
12/13/2024 5:13:40 PM	Google Patents	Search Term 1 solar cell Search Term 2 integrated Search Term 3 spectacles according Search Term 4 integration Search Term 5 glasses Before Priority Date: priority:20020211
12/13/2024 5:13:49 PM	Google Scholar	electro lens active focal length layer
12/13/2024 5:13:49 PM	Google Patents	Search Term 1 electro Search Term 2 lens Search Term 3 active Search Term 4 focal length Search Term 5 layer Before Priority Date: priority:19990702
12/13/2024 5:13:57 PM	Google Scholar	values speaker listener location speech

date, time	web site	search string
12/13/2024 5:13:57 PM	Google Patents	Search Term 1 values Search Term 2 speaker Search Term 3 listener Search Term 4 location Search Term 5 speech Before Priority Date: priority:20001127
12/13/2024 5:16:29 PM	Google Scholar	patient treatment software prescription visual acuity
12/13/2024 5:16:29 PM	Google Patents	Search Term 1 patient Search Term 2 treatment Search Term 3 software Search Term 4 prescription Search Term 5 visual acuity Before Priority Date: priority:20020517
12/13/2024 5:16:35 PM	Google Scholar	yoke vibrating plate bone conductive speaker conductive speaker
12/13/2024 5:16:35 PM	Google Patents	Search Term 1 yoke Search Term 2 vibrating plate Search Term 3 bone conductive Search Term 4 speaker Search Term 5 conductive speaker Before Priority Date: priority:20020528
12/13/2024 5:16:42 PM	Google Scholar	array radiation filters absorptive transmission

date, time	web site	search string
12/13/2024 5:16:42 PM	Google Patents	Search Term 1 array Search Term 2 radiation Search Term 3 filters Search Term 4 absorptive Search Term 5 transmission Before Priority Date: priority:19961230
12/13/2024 5:16:48 PM	Google Scholar	eyewear according eyewear front frame sidepiece display
12/13/2024 5:16:48 PM	Google Patents	Search Term 1 eyewear according Search Term 2 eyewear Search Term 3 front frame Search Term 4 sidepiece Search Term 5 display Before Priority Date: priority:20020524
12/13/2024 5:16:55 PM	Google Scholar	exposure light color printed blue
12/13/2024 5:16:55 PM	Google Patents	Search Term 1 exposure Search Term 2 light Search Term 3 color Search Term 4 printed Search Term 5 blue Before Priority Date: priority:19980130
12/13/2024 5:17:02 PM	Google Scholar	wearer media device visual media cndot lens

date, time	web site	search string
12/13/2024 5:17:02 PM	Google Patents	Search Term 1 wearer Search Term 2 media device Search Term 3 visual media Search Term 4 cndot Search Term 5 lens Before Priority Date: priority:20020617
12/13/2024 5:24:36 PM	Google Scholar	electro active lens range finder optical
12/13/2024 5:24:36 PM	Google Patents	Search Term 1 electro Search Term 2 active Search Term 3 lens Search Term 4 range finder Search Term 5 optical Before Priority Date: priority:20000623
12/13/2024 5:24:45 PM	Google Scholar	support structure sensor tunnel temperature skin
12/13/2024 5:24:45 PM	Google Patents	Search Term 1 support structure Search Term 2 sensor Search Term 3 tunnel Search Term 4 temperature Search Term 5 skin Before Priority Date: priority:20020422
12/13/2024 5:25:04 PM	Google Scholar	ultrasonic khz ultra frequency waves

date, time	web site	search string
12/13/2024 5:25:04 PM	Google Patents	Search Term 1 ultrasonic Search Term 2 khz Search Term 3 ultra Search Term 4 frequency Search Term 5 waves Before Priority Date: priority:19971125
12/13/2024 5:30:05 PM	Google Scholar	eyeglass support wearer frame audio
12/13/2024 5:30:05 PM	Google Patents	Search Term 1 eyeglass Search Term 2 support Search Term 3 wearer Search Term 4 frame Search Term 5 audio Before Priority Date: priority:20020726
12/13/2024 5:30:12 PM	Google Scholar	rfid tag antenna structure antenna rfid module
12/13/2024 5:30:12 PM	Google Patents	Search Term 1 rfid tag Search Term 2 antenna structure Search Term 3 antenna Search Term 4 rfid Search Term 5 module Before Priority Date: priority:20020912
12/13/2024 5:30:17 PM	Google Scholar	sensor sound generating generating assembly melody eyeglass frames

date, time	web site	search string
12/13/2024 5:30:17 PM	Google Patents	Search Term 1 sensor Search Term 2 sound generating Search Term 3 generating assembly Search Term 4 melody Search Term 5 eyeglass frames Before Priority Date: priority:20021001
12/13/2024 5:30:24 PM	Google Scholar	recording device imaging system mobile imaging mobile user
12/13/2024 5:30:24 PM	Google Patents	Search Term 1 recording device Search Term 2 imaging system Search Term 3 mobile imaging Search Term 4 mobile Search Term 5 user Before Priority Date: priority:20011221
12/13/2024 5:30:33 PM	Google Scholar	subject data monitoring system display unit blood oxygen
12/13/2024 5:30:33 PM	Google Patents	Search Term 1 subject Search Term 2 data Search Term 3 monitoring system Search Term 4 display unit Search Term 5 blood oxygen Before Priority Date: priority:19991109
12/13/2024 5:30:40 PM	Google Scholar	display device information display spectacle frame speaker user

date, time	web site	search string
12/13/2024 5:30:40 PM	Google Patents	Search Term 1 display device Search Term 2 information display Search Term 3 spectacle frame Search Term 4 speaker Search Term 5 user Before Priority Date: priority:20021115
12/13/2024 5:42:29 PM	Google Scholar	image user affective information scene
12/13/2024 5:42:29 PM	Google Patents	Search Term 1 image Search Term 2 user Search Term 3 affective Search Term 4 information Search Term 5 scene Before Priority Date: priority:20021125
12/13/2024 5:42:36 PM	Google Scholar	equipment individual scanner smart tag smart
12/13/2024 5:42:36 PM	Google Patents	Search Term 1 equipment Search Term 2 individual Search Term 3 scanner Search Term 4 smart tag Search Term 5 smart Before Priority Date: priority:20021121
12/13/2024 5:42:43 PM	Google Scholar	state type display glasses type communication terminal voice

date, time	web site	search string
12/13/2024 5:42:43 PM	Google Patents	Search Term 1 state Search Term 2 type display Search Term 3 glasses type Search Term 4 communication terminal Search Term 5 voice Before Priority Date: priority:20021128
12/13/2024 5:42:52 PM	Google Scholar	audio modulated directional loudspeaker amplifier signal
12/13/2024 5:42:52 PM	Google Patents	Search Term 1 audio Search Term 2 modulated Search Term 3 directional loudspeaker Search Term 4 amplifier Search Term 5 signal Before Priority Date: priority:20021030
12/13/2024 5:43:00 PM	Google Scholar	assembly recited hat audio section
12/13/2024 5:43:00 PM	Google Patents	Search Term 1 assembly Search Term 2 recited Search Term 3 hat Search Term 4 audio Search Term 5 section Before Priority Date: priority:20030108
12/13/2024 5:43:08 PM	Google Scholar	light source clamp illumination socket light

date, time	web site	search string
12/13/2024 5:43:08 PM	Google Patents	Search Term 1 light source Search Term 2 clamp Search Term 3 illumination Search Term 4 socket Search Term 5 light Before Priority Date: priority:20020809
12/13/2024 5:43:16 PM	Google Scholar	optic eye adjacent folding image source folding optic
12/13/2024 5:43:16 PM	Google Patents	Search Term 1 optic Search Term 2 eye Search Term 3 adjacent folding Search Term 4 image source Search Term 5 folding optic Before Priority Date: priority:20010507
12/13/2024 5:43:32 PM	Google Scholar	user image user interface physical hand hand
12/13/2024 5:43:32 PM	Google Patents	Search Term 1 user Search Term 2 image Search Term 3 user interface Search Term 4 physical hand Search Term 5 hand Before Priority Date: priority:19991229
12/13/2024 5:54:14 PM	Google Scholar	glasses light assembly light housing pair

date, time	web site	search string
12/13/2024 5:54:14 PM	Google Patents	Search Term 1 glasses Search Term 2 light assembly Search Term 3 light Search Term 4 housing Search Term 5 pair Before Priority Date: priority:20030130
12/13/2024 5:54:22 PM	Google Scholar	support wearer eyeglass frame audio
12/13/2024 5:54:22 PM	Google Patents	Search Term 1 support Search Term 2 wearer Search Term 3 eyeglass Search Term 4 frame Search Term 5 audio Before Priority Date: priority:20000602
12/13/2024 5:54:28 PM	Google Scholar	video scaler overlay memory display
12/13/2024 5:54:28 PM	Google Patents	Search Term 1 video Search Term 2 scaler Search Term 3 overlay Search Term 4 memory Search Term 5 display Before Priority Date: priority:20001003
12/13/2024 5:54:36 PM	Google Scholar	dimensional subject frame frames model

date, time	web site	search string
12/13/2024 5:54:36 PM	Google Patents	Search Term 1 dimensional Search Term 2 subject Search Term 3 frame Search Term 4 frames Search Term 5 model Before Priority Date: priority:20001031
12/13/2024 5:54:46 PM	Google Scholar	bone conduction headset user band ear
12/13/2024 5:54:46 PM	Google Patents	Search Term 1 bone conduction Search Term 2 headset Search Term 3 user Search Term 4 band Search Term 5 ear Before Priority Date: priority:20010705
12/13/2024 5:54:52 PM	Google Scholar	display apparatus image display holding member combiner lens
12/13/2024 5:54:52 PM	Google Patents	Search Term 1 display apparatus Search Term 2 image display Search Term 3 holding member Search Term 4 combiner Search Term 5 lens Before Priority Date: priority:20000911
12/13/2024 5:54:59 PM	Google Scholar	glasses intelligent tag chip coil digital data

date, time	web site	search string
12/13/2024 5:54:59 PM	Google Patents	Search Term 1 glasses Search Term 2 intelligent tag Search Term 3 chip Search Term 4 coil Search Term 5 digital data Before Priority Date: priority:20030513
12/13/2024 5:55:06 PM	Google Scholar	light emitting emitting diodes illumination electrical user
12/13/2024 5:55:06 PM	Google Patents	Search Term 1 light emitting Search Term 2 emitting diodes Search Term 3 illumination Search Term 4 electrical Search Term 5 user Before Priority Date: priority:20030331
12/13/2024 5:55:15 PM	Google Scholar	display subsystem computer eye coupled
12/13/2024 5:55:15 PM	Google Patents	Search Term 1 display Search Term 2 subsystem Search Term 3 computer Search Term 4 eye Search Term 5 coupled Before Priority Date: priority:19961002
12/13/2024 5:55:27 PM	Google Scholar	support latching temple receiver female

date, time	web site	search string
12/13/2024 5:55:27 PM	Google Patents	Search Term 1 support Search Term 2 latching Search Term 3 temple Search Term 4 receiver Search Term 5 female Before Priority Date: priority:20030811

Web Search History

date, time	web site	search string
12/16/2024 3:07:04 PM	Google Scholar	audio wearable speakers communication device audio system
12/16/2024 3:07:04 PM	Google Patents	Search Term 1 audio Search Term 2 wearable Search Term 3 speakers Search Term 4 communication device Search Term 5 audio system Before Priority Date: priority:20020826
12/16/2024 3:07:12 PM	Google Scholar	ear eyeglass audio speakers frame
12/16/2024 3:07:12 PM	Google Patents	Search Term 1 ear Search Term 2 eyeglass Search Term 3 audio Search Term 4 speakers Search Term 5 frame Before Priority Date: priority:20020726
12/16/2024 3:07:22 PM	Google Scholar	eyewear temple frame radio frequency frequency transceiver

date, time	web site	search string
12/16/2024 3:07:22 PM	Google Patents	Search Term 1 eyewear Search Term 2 temple Search Term 3 frame Search Term 4 radio frequency Search Term 5 frequency transceiver Before Priority Date: priority:20010430
12/16/2024 3:07:28 PM	Google Scholar	earphone wearer eyeglass support lens
12/16/2024 3:07:28 PM	Google Patents	Search Term 1 earphone Search Term 2 wearer Search Term 3 eyeglass Search Term 4 support Search Term 5 lens Before Priority Date: priority:20000602
12/16/2024 3:07:35 PM	Google Scholar	earphone player voice player voice present
12/16/2024 3:07:35 PM	Google Patents	Search Term 1 earphone Search Term 2 player Search Term 3 voice player Search Term 4 voice Search Term 5 present Before Priority Date: priority:20041021
12/16/2024 3:07:43 PM	Google Scholar	content protection audio configuring bluetooth communication

date, time	web site	search string
12/16/2024 3:07:43 PM	Google Patents	Search Term 1 content protection Search Term 2 audio Search Term 3 configuring Search Term 4 bluetooth Search Term 5 communication Before Priority Date: priority:20050308
12/16/2024 3:07:59 PM	Google Scholar	band portion headphone device headphone wearer connecting members
12/16/2024 3:07:59 PM	Google Patents	Search Term 1 band portion Search Term 2 headphone device Search Term 3 headphone Search Term 4 wearer Search Term 5 connecting members Before Priority Date: priority:20050704
12/16/2024 3:08:07 PM	Google Scholar	music glasses sounding device circuit board chamber
12/16/2024 3:08:07 PM	Google Patents	Search Term 1 music Search Term 2 glasses Search Term 3 sounding device Search Term 4 circuit board Search Term 5 chamber Before Priority Date: priority:20060310
12/16/2024 3:08:51 PM	Google Scholar	eyeglass interface system camera audio integrated circuits

date, time	web site	search string
12/16/2024 3:08:51 PM	Google Patents	Search Term 1 eyeglass Search Term 2 interface system Search Term 3 camera Search Term 4 audio Search Term 5 integrated circuits Before Priority Date: priority:19971030
12/16/2024 3:17:07 PM	Google Scholar	documentation information documentation data data real information
12/16/2024 3:17:07 PM	Google Patents	Search Term 1 documentation Search Term 2 information Search Term 3 documentation data Search Term 4 data Search Term 5 real information Before Priority Date: priority:19990325
12/16/2024 3:17:13 PM	Google Scholar	data operating acquisition means designed observation
12/16/2024 3:17:13 PM	Google Patents	Search Term 1 data Search Term 2 operating Search Term 3 acquisition means Search Term 4 designed Search Term 5 observation Before Priority Date: priority:19990302
12/16/2024 3:17:19 PM	Google Scholar	arm phone user image phone body

date, time	web site	search string
12/16/2024 3:17:19 PM	Google Patents	Search Term 1 arm Search Term 2 phone Search Term 3 user Search Term 4 image Search Term 5 phone body Before Priority Date: priority:20001110
12/16/2024 3:17:27 PM	Google Scholar	language learning virtual world studying education
12/16/2024 3:17:27 PM	Google Patents	Search Term 1 language Search Term 2 learning Search Term 3 virtual world Search Term 4 studying Search Term 5 education Before Priority Date: priority:20020511
12/16/2024 3:17:41 PM	Google Scholar	image capture remote device image data images user
12/16/2024 3:17:41 PM	Google Patents	Search Term 1 image capture Search Term 2 remote device Search Term 3 image data Search Term 4 images Search Term 5 user Before Priority Date: priority:20010727
12/16/2024 3:17:47 PM	Google Scholar	multidimensional video receptors video data audio

date, time	web site	search string
12/16/2024 3:17:47 PM	Google Patents	Search Term 1 multidimensional Search Term 2 video Search Term 3 receptors Search Term 4 video data Search Term 5 audio Before Priority Date: priority:19980127
12/16/2024 3:17:54 PM	Google Scholar	reader keyboard indicia monitor light
12/16/2024 3:17:54 PM	Google Patents	Search Term 1 reader Search Term 2 keyboard Search Term 3 indicia Search Term 4 monitor Search Term 5 light Before Priority Date: priority:19981110
12/16/2024 3:18:02 PM	Google Scholar	wearer eyewear speaker microphone unit
12/16/2024 3:18:02 PM	Google Patents	Search Term 1 wearer Search Term 2 eyewear Search Term 3 speaker Search Term 4 microphone Search Term 5 unit Before Priority Date: priority:20011006
12/16/2024 3:18:13 PM	Google Scholar	support display support member user ear

date, time	web site	search string
12/16/2024 3:18:13 PM	Google Patents	Search Term 1 support Search Term 2 display Search Term 3 support member Search Term 4 user Search Term 5 ear Before Priority Date: priority:20010907
12/16/2024 3:39:49 PM	Google Scholar	values speaker listener location speech
12/16/2024 3:39:49 PM	Google Patents	Search Term 1 values Search Term 2 speaker Search Term 3 listener Search Term 4 location Search Term 5 speech Before Priority Date: priority:20001127
12/16/2024 3:39:56 PM	Google Scholar	audio video wearer pick mounting means
12/16/2024 3:39:56 PM	Google Patents	Search Term 1 audio Search Term 2 video Search Term 3 wearer Search Term 4 pick Search Term 5 mounting means Before Priority Date: priority:20020403
12/16/2024 3:40:03 PM	Google Scholar	eyewear according eyewear front frame sidepiece display

date, time	web site	search string
12/16/2024 3:40:03 PM	Google Patents	Search Term 1 eyewear according Search Term 2 eyewear Search Term 3 front frame Search Term 4 sidepiece Search Term 5 display Before Priority Date: priority:20020524
12/16/2024 3:40:10 PM	Google Scholar	tracking augmented reality frame acquisition video computer
12/16/2024 3:40:10 PM	Google Patents	Search Term 1 tracking Search Term 2 augmented reality Search Term 3 frame acquisition Search Term 4 video Search Term 5 computer Before Priority Date: priority:20011220
12/16/2024 3:40:20 PM	Google Scholar	speaker eyewear microphone wearer earstem
12/16/2024 3:40:20 PM	Google Patents	Search Term 1 speaker Search Term 2 eyewear Search Term 3 microphone Search Term 4 wearer Search Term 5 earstem Before Priority Date: priority:20011006
12/16/2024 3:40:31 PM	Google Scholar	eyeglasses wire dep electronic temple

date, time	web site	search string
12/16/2024 3:40:31 PM	Google Patents	Search Term 1 eyeglasses Search Term 2 wire Search Term 3 dep Search Term 4 electronic Search Term 5 temple Before Priority Date: priority:20051213
12/16/2024 3:40:39 PM	Google Scholar	user context wearable display processor information
12/16/2024 3:40:39 PM	Google Patents	Search Term 1 user Search Term 2 context Search Term 3 wearable display Search Term 4 processor Search Term 5 information Before Priority Date: priority:20060831
12/16/2024 3:40:50 PM	Google Scholar	touch headset user interface sensitive surface control output
12/16/2024 3:40:50 PM	Google Patents	Search Term 1 touch Search Term 2 headset Search Term 3 user interface Search Term 4 sensitive surface Search Term 5 control output Before Priority Date: priority:20061130
12/16/2024 3:40:59 PM	Google Scholar	housing portion communications device wireless communications right ear housing

date, time	web site	search string
12/16/2024 3:40:59 PM	Google Patents	Search Term 1 housing portion Search Term 2 communications device Search Term 3 wireless communications Search Term 4 right ear Search Term 5 housing Before Priority Date: priority:20061214
12/16/2024 3:53:50 PM	Google Patents	Search Term 1 eyeglasses Search Term 2 wire Search Term 3 dep Search Term 4 electronic Search Term 5 temple Before Priority Date: priority:20061213
12/16/2024 3:53:58 PM	Google Scholar	coil external frame external coil visor
12/16/2024 3:53:58 PM	Google Patents	Search Term 1 coil Search Term 2 external Search Term 3 frame Search Term 4 external coil Search Term 5 visor Before Priority Date: priority:20061222
12/16/2024 3:54:05 PM	Google Scholar	headphone cradle transmitter audio signal

date, time	web site	search string
12/16/2024 3:54:05 PM	Google Patents	Search Term 1 headphone Search Term 2 cradle Search Term 3 transmitter Search Term 4 audio Search Term 5 signal Before Priority Date: priority:20070130
12/16/2024 3:54:12 PM	Google Scholar	data selection processing device data processing output
12/16/2024 3:54:12 PM	Google Patents	Search Term 1 data Search Term 2 selection Search Term 3 processing device Search Term 4 data processing Search Term 5 output Before Priority Date: priority:20070131
12/16/2024 3:54:40 PM	Google Scholar	glasses video media player type media memory card
12/16/2024 3:54:40 PM	Google Patents	Search Term 1 glasses Search Term 2 video Search Term 3 media player Search Term 4 type media Search Term 5 memory card Before Priority Date: priority:20070319
12/16/2024 3:54:46 PM	Google Scholar	arrangement headphones housing ear piece seal

date, time	web site	search string
12/16/2024 3:54:46 PM	Google Patents	Search Term 1 arrangement Search Term 2 headphones Search Term 3 housing Search Term 4 ear piece Search Term 5 seal Before Priority Date: priority:20070504
12/16/2024 3:54:53 PM	Google Scholar	headphone ear sound image image forward stereo sound
12/16/2024 3:54:53 PM	Google Patents	Search Term 1 headphone Search Term 2 ear Search Term 3 sound image Search Term 4 image forward Search Term 5 stereo sound Before Priority Date: priority:20070605
12/16/2024 3:55:02 PM	Google Scholar	optical optical element adjustable adjustable connector wearer
12/16/2024 3:55:02 PM	Google Patents	Search Term 1 optical Search Term 2 optical element Search Term 3 adjustable Search Term 4 adjustable connector Search Term 5 wearer Before Priority Date: priority:20061214
12/16/2024 3:55:18 PM	Google Scholar	communication device voice signal ambient noise adjusting polarization reversed

date, time	web site	search string
12/16/2024 3:55:18 PM	Google Patents	Search Term 1 communication device Search Term 2 voice signal Search Term 3 ambient noise Search Term 4 adjusting Search Term 5 polarization reversed Before Priority Date: priority:20070921
12/16/2024 4:14:43 PM	Google Scholar	video video signal display display device compressed
12/16/2024 4:14:43 PM	Google Patents	Search Term 1 video Search Term 2 video signal Search Term 3 display Search Term 4 display device Search Term 5 compressed Before Priority Date: priority:20080104
12/16/2024 4:14:50 PM	Google Scholar	host computing computing device external host display bluetooth
12/16/2024 4:14:50 PM	Google Patents	Search Term 1 host computing Search Term 2 computing device Search Term 3 external host Search Term 4 display Search Term 5 bluetooth Before Priority Date: priority:20070514
12/16/2024 4:14:57 PM	Google Scholar	telephony profile phone psd network

date, time	web site	search string
12/16/2024 4:14:57 PM	Google Patents	Search Term 1 telephony Search Term 2 profile Search Term 3 phone Search Term 4 psd Search Term 5 network Before Priority Date: priority:20080908
12/16/2024 4:15:04 PM	Google Scholar	smartcard contacts mobile memory memory card interface
12/16/2024 4:15:04 PM	Google Patents	Search Term 1 smartcard Search Term 2 contacts Search Term 3 mobile memory Search Term 4 memory card Search Term 5 interface Before Priority Date: priority:20081006
12/16/2024 4:15:34 PM	Google Scholar	information user telescope electronic visual
12/16/2024 4:15:34 PM	Google Patents	Search Term 1 information Search Term 2 user Search Term 3 telescope Search Term 4 electronic Search Term 5 visual Before Priority Date: priority:20021210
12/16/2024 4:15:40 PM	Google Scholar	mounting user chassis virtual images

date, time	web site	search string
12/16/2024 4:15:40 PM	Google Patents	Search Term 1 mounting Search Term 2 user Search Term 3 chassis Search Term 4 virtual Search Term 5 images Before Priority Date: priority:20030103
12/16/2024 4:15:49 PM	Google Scholar	audio audio device signal transceiver user
12/16/2024 4:15:49 PM	Google Patents	Search Term 1 audio Search Term 2 audio device Search Term 3 signal Search Term 4 transceiver Search Term 5 user Before Priority Date: priority:20020726
12/16/2024 4:15:57 PM	Google Scholar	support wearer eyeglass frame audio
12/16/2024 4:15:57 PM	Google Patents	Search Term 1 support Search Term 2 wearer Search Term 3 eyeglass Search Term 4 frame Search Term 5 audio Before Priority Date: priority:20000602
12/16/2024 4:16:04 PM	Google Scholar	golfer image training aid golf training light

date, time	web site	search string
12/16/2024 4:16:04 PM	Google Patents	Search Term 1 golfer Search Term 2 image Search Term 3 training aid Search Term 4 golf training Search Term 5 light Before Priority Date: priority:20010327
12/16/2024 4:16:17 PM	Google Scholar	user virtual image spectacles display mounting
12/16/2024 4:16:17 PM	Google Patents	Search Term 1 user Search Term 2 virtual image Search Term 3 spectacles Search Term 4 display Search Term 5 mounting Before Priority Date: priority:20021210
12/16/2024 4:21:00 PM	Google Scholar	mount temple temples hinge ophthalmic
12/16/2024 4:21:00 PM	Google Patents	Search Term 1 mount Search Term 2 temple Search Term 3 temples Search Term 4 hinge Search Term 5 ophthalmic Before Priority Date: priority:19550804
12/16/2024 4:21:05 PM	Google Scholar	temple tube solid cavities injection

date, time	web site	search string
12/16/2024 4:21:05 PM	Google Patents	Search Term 1 temple Search Term 2 tube Search Term 3 solid Search Term 4 cavities Search Term 5 injection Before Priority Date: priority:19720922
12/16/2024 4:21:10 PM	Google Scholar	mold rigid liquid resin resin system flexible
12/16/2024 4:21:10 PM	Google Patents	Search Term 1 mold Search Term 2 rigid Search Term 3 liquid resin Search Term 4 resin system Search Term 5 flexible Before Priority Date: priority:19781027
12/16/2024 4:21:15 PM	Google Scholar	temple swimmer temple pieces eyepieces pieces
12/16/2024 4:21:15 PM	Google Patents	Search Term 1 temple Search Term 2 swimmer Search Term 3 temple pieces Search Term 4 eyepieces Search Term 5 pieces Before Priority Date: priority:19930818
12/16/2024 4:30:20 PM	Google Scholar	eyeglass frame frame extension arm eyeglass speaker

date, time	web site	search string
12/16/2024 4:30:20 PM	Google Patents	Search Term 1 eyeglass frame Search Term 2 frame Search Term 3 extension arm Search Term 4 eyeglass Search Term 5 speaker Before Priority Date: priority:20010621
12/16/2024 4:30:29 PM	Google Scholar	headset active noise parameters data handset
12/16/2024 4:30:29 PM	Google Patents	Search Term 1 headset Search Term 2 active noise Search Term 3 parameters Search Term 4 data Search Term 5 handset Before Priority Date: priority:20090717
12/16/2024 4:30:37 PM	Google Scholar	host computing computing device display device handheld wireless content
12/16/2024 4:30:37 PM	Google Patents	Search Term 1 host computing Search Term 2 computing device Search Term 3 display device Search Term 4 handheld wireless Search Term 5 content Before Priority Date: priority:20080328
12/16/2024 4:30:44 PM	Google Scholar	speaker support module coupling wearable support

date, time	web site	search string
12/16/2024 4:30:44 PM	Google Patents	Search Term 1 speaker Search Term 2 support Search Term 3 module Search Term 4 coupling Search Term 5 wearable support Before Priority Date: priority:20000602
12/16/2024 4:30:52 PM	Google Scholar	generating user interface synthetic jet enclosure user
12/16/2024 4:30:52 PM	Google Patents	Search Term 1 generating Search Term 2 user interface Search Term 3 synthetic jet Search Term 4 enclosure Search Term 5 user Before Priority Date: priority:20081219
12/16/2024 4:31:05 PM	Google Scholar	location audiovisual processor communication user
12/16/2024 4:31:05 PM	Google Patents	Search Term 1 location Search Term 2 audiovisual Search Term 3 processor Search Term 4 communication Search Term 5 user Before Priority Date: priority:20021127
12/16/2024 4:31:12 PM	Google Scholar	viewing system binocular viewing optical assembly optical pipe

date, time	web site	search string
12/16/2024 4:31:12 PM	Google Patents	Search Term 1 viewing system Search Term 2 binocular viewing Search Term 3 optical Search Term 4 assembly Search Term 5 optical pipe Before Priority Date: priority:20030425
12/16/2024 4:31:19 PM	Google Scholar	user arrangement according vehicle head information
12/16/2024 4:31:19 PM	Google Patents	Search Term 1 user Search Term 2 arrangement according Search Term 3 vehicle Search Term 4 head Search Term 5 information Before Priority Date: priority:20030829
12/16/2024 4:31:30 PM	Google Scholar	connectors frame body lens end portions section
12/16/2024 4:31:30 PM	Google Patents	Search Term 1 connectors Search Term 2 frame body Search Term 3 lens Search Term 4 end portions Search Term 5 section Before Priority Date: priority:19951113
12/16/2024 4:40:47 PM	Google Scholar	patient network data wireless sensor

date, time	web site	search string
12/16/2024 4:40:47 PM	Google Patents	Search Term 1 patient Search Term 2 network Search Term 3 data Search Term 4 wireless Search Term 5 sensor Before Priority Date: priority:20060516
12/16/2024 4:40:55 PM	Google Scholar	patient data network wireless appliance
12/16/2024 4:40:55 PM	Google Patents	Search Term 1 patient Search Term 2 data Search Term 3 network Search Term 4 wireless Search Term 5 appliance Before Priority Date: priority:20060512
12/16/2024 4:41:04 PM	Google Scholar	patient appliance network data heart
12/16/2024 4:41:04 PM	Google Patents	Search Term 1 patient Search Term 2 appliance Search Term 3 network Search Term 4 data Search Term 5 heart Before Priority Date: priority:20060512
12/16/2024 4:41:13 PM	Google Scholar	data motion user sensor band

date, time	web site	search string
12/16/2024 4:41:13 PM	Google Patents	Search Term 1 data Search Term 2 motion Search Term 3 user Search Term 4 sensor Search Term 5 band Before Priority Date: priority:20110610
12/16/2024 4:41:21 PM	Google Scholar	data wearable device motion user activity
12/16/2024 4:41:21 PM	Google Patents	Search Term 1 data Search Term 2 wearable device Search Term 3 motion Search Term 4 user Search Term 5 activity Before Priority Date: priority:20110610
12/16/2024 4:41:35 PM	Google Scholar	cord eyeglass tethered electrical recited
12/16/2024 4:41:35 PM	Google Patents	Search Term 1 cord Search Term 2 eyeglass Search Term 3 tethered Search Term 4 electrical Search Term 5 recited Before Priority Date: priority:20030415
12/16/2024 4:41:41 PM	Google Scholar	video audio stream camera participant

date, time	web site	search string
12/16/2024 4:41:41 PM	Google Patents	Search Term 1 video Search Term 2 audio Search Term 3 stream Search Term 4 camera Search Term 5 participant Before Priority Date: priority:20030724
12/16/2024 4:41:47 PM	Google Scholar	sunglasses frames band user pat
12/16/2024 4:41:47 PM	Google Patents	Search Term 1 sunglasses Search Term 2 frames Search Term 3 band Search Term 4 user Search Term 5 pat Before Priority Date: priority:20031028
12/16/2024 4:41:53 PM	Google Scholar	location concentrate microemulsion information surfactant
12/16/2024 4:41:53 PM	Google Patents	Search Term 1 location Search Term 2 concentrate Search Term 3 microemulsion Search Term 4 information Search Term 5 surfactant Before Priority Date: priority:20040223
12/16/2024 4:55:01 PM	Google Scholar	speaker audio device audio support wearable wireless

date, time	web site	search string
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12/16/2024 4:55:08 PM	Google Scholar	radiation output electronic circuit recited monitoring
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12/16/2024 4:55:14 PM	Google Scholar	glasses pair information recited event
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date, time	web site	search string
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12/16/2024 4:55:38 PM	Google Scholar	patient network wireless appliance data
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12/16/2024 4:55:47 PM	Google Patents	Search Term 1 user Search Term 2 personal digital Search Term 3 earpiece Search Term 4 wearable personal Search Term 5 data Before Priority Date: priority:20110718
12/16/2024 4:56:01 PM	Google Scholar	patient sensor fall data motion

date, time	web site	search string
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12/16/2024 4:56:17 PM	Google Scholar	source audio wearer speaker interface
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12/16/2024 4:56:31 PM	Google Scholar	wearer assembly speaker structured disposed
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12/16/2024 5:21:01 PM	Google Scholar	bone conduction helmet headset user crown

date, time	web site	search string
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12/16/2024 5:21:09 PM	Google Scholar	patient appliance data network information
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12/16/2024 5:21:22 PM	Google Scholar	user data augmented reality processor product

date, time	web site	search string
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12/16/2024 5:21:31 PM	Google Scholar	ear bud wearer head elbow head band
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12/16/2024 5:21:38 PM	Google Scholar	earphone eyeglass wearer carried support
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12/16/2024 5:21:44 PM	Google Scholar	eyeglasses wireless arms wireless communication frame

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12/16/2024 5:21:49 PM	Google Scholar	head mounted mounted display signals unit display device
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12/16/2024 5:21:57 PM	Google Scholar	coupled microphone speaker eyeglasses frame
12/16/2024 5:21:57 PM	Google Patents	Search Term 1 coupled Search Term 2 microphone Search Term 3 speaker Search Term 4 eyeglasses Search Term 5 frame Before Priority Date: priority:20010621
12/16/2024 5:36:12 PM	Google Scholar	patient processor sensor data coupled

date, time	web site	search string
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12/16/2024 5:36:22 PM	Google Scholar	patient client data network treatment
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12/16/2024 5:36:31 PM	Google Patents	Search Term 1 patient Search Term 2 protocol Search Term 3 data Search Term 4 heart Search Term 5 analyzer Before Priority Date: priority:20070524
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date, time	web site	search string
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12/16/2024 5:36:52 PM	Google Scholar	temple eyewear frame recited electrical components side section
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12/16/2024 5:37:02 PM	Google Scholar	display information user gaze control
12/16/2024 5:37:02 PM	Google Patents	Search Term 1 display Search Term 2 information Search Term 3 user Search Term 4 gaze Search Term 5 control Before Priority Date: priority:20041001
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date, time	web site	search string
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12/16/2024 5:37:22 PM	Google Scholar	module user visualisation eye images
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12/16/2024 5:37:30 PM	Google Scholar	user data biometric authentication eyewear biometric
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12/16/2024 5:37:37 PM	Google Scholar	user signals accelerometer nose input

date, time	web site	search string
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12/16/2024 5:46:27 PM	Google Scholar	patient data appliance heart rate wearable
12/16/2024 5:46:27 PM	Google Patents	Search Term 1 patient Search Term 2 data Search Term 3 appliance Search Term 4 heart rate Search Term 5 wearable Before Priority Date: priority:20060512
12/16/2024 5:46:35 PM	Google Scholar	eyewear temple recited circuit board electrical components
12/16/2024 5:46:35 PM	Google Patents	Search Term 1 eyewear Search Term 2 temple Search Term 3 recited Search Term 4 circuit board Search Term 5 electrical components Before Priority Date: priority:20031009
12/16/2024 5:46:43 PM	Google Scholar	patient data wearable appliance network

date, time	web site	search string
12/16/2024 5:46:43 PM	Google Patents	Search Term 1 patient Search Term 2 data Search Term 3 wearable Search Term 4 appliance Search Term 5 network Before Priority Date: priority:20060512
12/16/2024 5:46:49 PM	Google Scholar	wireless wireless link quality link computer
12/16/2024 5:46:49 PM	Google Patents	Search Term 1 wireless Search Term 2 wireless link Search Term 3 quality Search Term 4 link Search Term 5 computer Before Priority Date: priority:20131220
12/16/2024 5:47:00 PM	Google Scholar	image distance optical element display subject
12/16/2024 5:47:00 PM	Google Patents	Search Term 1 image Search Term 2 distance Search Term 3 optical element Search Term 4 display Search Term 5 subject Before Priority Date: priority:20040206
12/16/2024 5:47:07 PM	Google Scholar	optical device substrate light waves reflecting surfaces optical

date, time	web site	search string
12/16/2024 5:47:07 PM	Google Patents	Search Term 1 optical device Search Term 2 substrate Search Term 3 light waves Search Term 4 reflecting surfaces Search Term 5 optical Before Priority Date: priority:20050210
12/16/2024 5:47:13 PM	Google Scholar	optical system image optical substrate display
12/16/2024 5:47:13 PM	Google Patents	Search Term 1 optical system Search Term 2 image Search Term 3 optical Search Term 4 substrate Search Term 5 display Before Priority Date: priority:20050210
12/16/2024 5:47:20 PM	Google Scholar	optical system light pipe light modes lens element
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date, time	web site	search string
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12/16/2024 5:49:29 PM	Google Scholar	transmitter switch earphones antenna radio
12/16/2024 5:49:29 PM	Google Patents	Search Term 1 transmitter Search Term 2 switch Search Term 3 earphones Search Term 4 antenna Search Term 5 radio Before Priority Date: priority:19930119
12/16/2024 5:49:34 PM	Google Scholar	eye limbus iop changes recited
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12/16/2024 5:49:41 PM	Google Scholar	information recipient user station encrypted

date, time	web site	search string
12/16/2024 5:49:41 PM	Google Patents	Search Term 1 information Search Term 2 recipient Search Term 3 user Search Term 4 station Search Term 5 encrypted Before Priority Date: priority:20050414
12/16/2024 5:49:46 PM	Google Scholar	acquisition system data acquisition image target wearable data
12/16/2024 5:49:46 PM	Google Patents	Search Term 1 acquisition system Search Term 2 data acquisition Search Term 3 image Search Term 4 target Search Term 5 wearable data Before Priority Date: priority:20050317
12/16/2024 5:49:54 PM	Google Scholar	user signal image sight sound
12/16/2024 5:49:54 PM	Google Patents	Search Term 1 user Search Term 2 signal Search Term 3 image Search Term 4 sight Search Term 5 sound Before Priority Date: priority:20030512
12/16/2024 5:50:01 PM	Google Scholar	camera electronic image signal user

date, time	web site	search string
12/16/2024 5:50:01 PM	Google Patents	Search Term 1 camera Search Term 2 electronic Search Term 3 image Search Term 4 signal Search Term 5 user Before Priority Date: priority:20050530
12/16/2024 5:50:12 PM	Google Scholar	data media wearable device media control another
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12/16/2024 5:50:20 PM	Google Scholar	electronic device holder housing wearable user
12/16/2024 5:50:20 PM	Google Patents	Search Term 1 electronic device Search Term 2 holder Search Term 3 housing Search Term 4 wearable Search Term 5 user Before Priority Date: priority:20140110
12/16/2024 5:50:28 PM	Google Scholar	lens blocking blocking time controller user

date, time	web site	search string
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12/16/2024 5:50:34 PM	Google Scholar	video processing unit video processing visual prosthesis prosthesis apparatus
12/16/2024 5:50:34 PM	Google Patents	Search Term 1 video Search Term 2 processing unit Search Term 3 video processing Search Term 4 visual prosthesis Search Term 5 prosthesis apparatus Before Priority Date: priority:20070614

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US	10822218			04/12/2004	US 60527565 US 60462591 US 10822218 US 60509631	US 20060003803 A1 US 7792552 B2	01/05/2006 09/07/2010
US	10964011			10/12/2004	US 60527565 US 60583169 US 60509631 US 10964011 US 60562798 US 60618107 US 60462591 US 60605191 US 60592045	US 20050078274 A1 US 7192136 B2	04/14/2005 03/20/2007
US	11006343			12/07/2004	US 11006343 US 60527565	US 20050124324 A1 US 7116976 B2	06/09/2005 10/03/2006
US	11078857			03/11/2005	US 60647826 US 60583169 US 60562798 US 60620238 US 60618107 US 60605191 US 11078857 US 60592045 US 60647836	US 20050230596 A1	10/20/2005
US	11078855			03/11/2005	US 60647826 US 60583169 US 11078855 US 60562798 US 60620238 US 60618107 US 60605191 US 60592045 US 60647836	US 20090059159 A1 US 7500746 B1	03/05/2009 03/10/2009
CN	200510067143			04/14/2005	US 60562798	CN 1700059 A CN 100580507 C	11/23/2005 01/13/2010
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US	11183269			07/15/2005	US 60647826 US 60527565 US 60583169 US 11183269 US 60509631 US 10964011 US 60562798 US 60620238 US 60618107 US 60605191 US 60592045 US 60647836	US 20050264752 A1 US 7922321 B2	12/01/2005 04/12/2011
US	11183263			07/15/2005	US 60647826 US 60527565 US 60583169 US 60509631 US 10964011 US 60562798 US 60620238 US 60618107 US 60605191 US 11183263 US 60592045 US 60647836	US 20060001827 A1 US 7380936 B2	01/05/2006 06/03/2008
US	11183256			07/15/2005	US 60647826 US 60527565 US 60583169 US 60509631 US 10964011 US 60562798 US 60620238 US 60618107 US 60605191 US 11183256 US 60592045 US 60647836	US 20060023158 A1 US 7500747 B2	02/02/2006 03/10/2009
US	11183262			07/15/2005	US 60647826 US 60527565 US 60583169 US 60509631 US 10964011 US 60562798 US 11183262 US 60620238 US 60618107 US 60605191 US 60592045 US 60647836	US 20050248717 A1 US 7760898 B2	11/10/2005 07/20/2010
US	11183283			07/15/2005	US 60647826 US 60527565 US 60583169 US 60509631 US 11183283 US 10964011 US 60562798 US 60620238 US 60618107 US 60605191 US 60592045 US 60647836	US 20050248719 A1	11/10/2005

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US	11183276			07/15/2005	US 60647826 US 60527565 US 60583169 US 11183276 US 60509631 US 10964011 US 60562798 US 60620238 US 60618107 US 60605191 US 60592045 US 60647836	US 20050248718 A1 US 7255437 B2	11/10/2005 08/14/2007
US	PCT/US06/22015			06/07/2006	US 60689686	WO 2006135614 A2 WO 2006135614 A3 WO 2006135614 A8 WO 2006135614 A9	12/21/2006 03/22/2007 07/10/2008 12/11/2008
CN	200680027964			06/07/2006	US 60689686	CN 101297191 A	10/29/2008
US	11452115			06/12/2006	US 11452115 US 60689686 US 11006343 US 60527565	US 20060259565 A1 US 7729688 B2	11/16/2006 06/01/2010
US	11497651			08/02/2006	US 11006343 US 60527565 US 11497651	US 20060276210 A1 US 7376434 B2	12/07/2006 05/20/2008
US	11521256			09/13/2006	US 11521256 US 60527565 US 60583169 US 60509631 US 10964011 US 60562798 US 60605191 US 60592045	US 7438410 B1	10/21/2008

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US	11580222			10/11/2006	US 60583169 US 60725896 US 11183269 US 60787850 US 60846150 US 10964011 US 60725999 US 60527565 US 60509631 US 60562798 US 60620238 US 11580222 US 60618107 US 60605191 US 60592045 US 60647836	US 20070046887 A1 US 7581833 B2	03/01/2007 09/01/2009
US	11546685			10/11/2006	US 60583169 US 60725896 US 11546685 US 60787950 US 60846150 US 10964011 US 60725999 US 11183256 US 60647826 US 60527565 US 60509631 US 60562798 US 60620238 US 60618107 US 60605191 US 60592045 US 60647836	US 20070030442 A1 US 7806525 B2	02/08/2007 10/05/2010
US	11650626			01/06/2007	US 11650626 US 60583169 US 60787850 US 60846150 US 10964011 US 11183256 US 60647826 US 60527565 US 60509631 US 60763854 US 60562798 US 60620238 US 60618107 US 60605191 US 60592045 US 60647836	US 20070109491 A1 US 7677723 B2	05/17/2007 03/16/2010
US	11700550			01/30/2007	US 60583169 US 11700550 US 11078855 US 60787850 US 60846150 US 60647826 US 60763854 US 60562798 US 60620238 US 60618107 US 60605191 US 60592045 US 60647836	US 20070186330 A1	08/16/2007

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CN	200710090621			04/02/2007	US 60787850	CN 101046557 A	10/03/2007
US	11891411			08/09/2007	US 60583169 US 11183276 US 10964011 US 11891411 US 60647826 US 60527565 US 60509631 US 60562798 US 60620238 US 60618107 US 60605191 US 60592045 US 60647836	US 20070279584 A1 US 7401918 B2	12/06/2007 07/22/2008
US	11903512			09/20/2007	US 60846150 US 11903512	US 20080068559 A1 US 7543934 B2	03/20/2008 06/09/2009
US	12074302			03/03/2008	US 11521256 US 60527565 US 60583169 US 60509631 US 10964011 US 60562798 US 12074302 US 60605191 US 60592045	US 20080151179 A1 US 7621634 B2	06/26/2008 11/24/2009
US	12074961			03/07/2008	US 11497651 US 12074961 US 11006343 US 60527565	US 7890128 B1	02/15/2011
US	12152480			05/13/2008	US 60647826 US 60620238 US 60618107 US 60605191 US 11183263 US 12152480 US 60592045 US 60647836	US 20080218684 A1 US 8337013 B2	09/11/2008 12/25/2012
US	12214435			06/19/2008	US 60583169 US 11183276 US 10964011 US 11891411 US 60647826 US 60527565 US 60509631 US 60562798 US 60620238 US 60618107 US 12214435 US 60605191 US 60592045 US 60647836	US 20080278678 A1 US 7481531 B2	11/13/2008 01/27/2009

IP Office	Application	Applicant	Title	Application Date	Priority Number	Publication Number	Publication Date
US	12317043			12/18/2008	US 60583169 US 11183276 US 10964011 US 11891411 US 12317043 US 60647826 US 60527565 US 60509631 US 60562798 US 60620238 US 60618107 US 12214435 US 60605191 US 60592045 US 60647836	US 20090141233 A1 US 7771046 B2	06/04/2009 08/10/2010
US	12322377			02/02/2009	US 60647826 US 60583169 US 12322377 US 11078855 US 60562798 US 60620238 US 60618107 US 60605191 US 60592045 US 60647836	US 20090147215 A1 US 8770742 B2	06/11/2009 07/08/2014
US	12462286			07/31/2009	US 60583169 US 60725896 US 11183269 US 60787850 US 60846150 US 10964011 US 60725999 US 60647826 US 60527565 US 60509631 US 60562798 US 60620238 US 11580222 US 60618107 US 60605191 US 12462286 US 60592045 US 60647836	US 20090296044 A1 US 8109629 B2	12/03/2009 02/07/2012
US	12798995			04/14/2010	US 11452115 US 60689686 US 11006343 US 60527565 US 12798995	US 20100205272 A1 US 8744407 B2	08/12/2010 06/03/2014

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US	12803732			07/01/2010	US 60583169 US 60725896 US 11546685 US 60787850 US 60846150 US 10964011 US 12803732 US 60725999 US 11183256 US 60647826 US 60527565 US 60509631 US 60562798 US 60620238 US 60618107 US 60605191 US 60592045 US 60647836	US 20110102734 A1 US 8434863 B2	05/05/2011 05/07/2013
US	12806312			08/10/2010	US 60583169 US 60725896 US 60787850 US 10822218 US 11891411 US 60647826 US 60527565 US 12214435 US 60605191 US 12462286 US 60592045 US 60647836 US 11183269 US 11183276 US 60846150 US 10964011 US 12806312 US 60725999 US 12317043 US 60509631 US 60562798 US 60620238 US 11582222 US 60618107 US 60462591	US 20100309426 A1 US 8465151 B2	12/09/2010 06/18/2013
US	12987018			01/07/2011	US 12987018 US 11497651 US 12074961 US 11006343 US 60527565	US 8112104 B1	02/07/2012
US	13085402			04/12/2011	US 60583169 US 11183269 US 10964011 US 13085402 US 60647826 US 60527565 US 60509631 US 60562798 US 60620238 US 60618107 US 60605191 US 60592045 US 60647836	US 20110187990 A1 US 8500271 B2	08/04/2011 08/06/2013

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US	13291020			11/07/2011	US 60583169 US 60725896 US 11546685 US 60787850 US 60846150 US 10964011 US 12803732 US 60725999 US 11183256 US 60647826 US 60527565 US 60509631 US 60562798 US 60620238 US 60618107 US 13291020 US 60605181 US 60592045 US 60647836	US 20120050668 A1 US 8430507 B2	03/01/2012 04/30/2013
US	13363360			01/31/2012	US 12987018 US 11497651 US 12074961 US 11006343 US 60527565 US 13363360	US 8280419 B1	10/02/2012
US	13367346			02/06/2012	US 60583169 US 60725896 US 11078855 US 60787850 US 13367346 US 10822218 US 60647826 US 60527565 US 60605181 US 12462286 US 60592045 US 60647836 US 11183269 US 11183276 US 11546685 US 60846150 US 10964011 US 60725999 US 11183256 US 11006343 US 60509631 US 11183283 US 60562798 US 11183262 US 60620238 US 11580222 US 60618107 US 11078857 US 11183263	US 20120133885 A1 US 9033493 B2	05/31/2012 05/19/2015
US	13593483			08/23/2012	US 12987018 US 11497651 US 13593483 US 11006343 US 60527565 US 13363360 US 12074961	US 8737978 B1	05/27/2014

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US	13831445			03/14/2013	US 60583169 US 60725896 US 11078855 US 60787850 US 10822218 US 60647826 US 60527565 US 60605191 US 60592045 US 60647836 US 11183269 US 11183276 US 11546685 US 60846150 US 10964011 US 12803732 US 60725999 US 11183256 US 11006343 US 60509631 US 11183283 US 60562798 US 11183262 US 60620238 US 60618107 US 13831445 US 11078857 US 11183263	US 20140268013 A1 US 20170068117 A9 US 10310296 B2	09/18/2014 03/09/2017 06/04/2019
US	13831512			03/14/2013	US 60583169 US 60725896 US 11078855 US 60787850 US 10822218 US 11891411 US 60647826 US 60527565 US 12214435 US 60605191 US 13831512 US 12462286 US 60592045 US 60647836 US 11183269 US 11183276 US 11546685 US 60846150 US 10964011 US 12806312 US 60725999 US 11183256 US 12317043 US 11006343 US 60509631 US 11183283 US 60562798 US 11183262 US 60620238 US 11580222 US 60618107 US 60462591 US 11078857 US 11183263	US 20130201440 A1 US 9690121 B2	08/08/2013 06/27/2017
US	13831455			03/14/2013	US 13831455	US 20140278782 A1	09/18/2014

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US	13831419			03/14/2013	US 60583169 US 60725896 US 11078855 US 60787850 US 10822218 US 60647826 US 60527565 US 13291020 US 60605191 US 13831419 US 60592045 US 60647836 US 11183269 US 11183276 US 11546685 US 60846150 US 10964011 US 12803732 US 60725999 US 11183256 US 11006343 US 60509631 US 11183283 US 60562798 US 11183262 US 60620238 US 11580222 US 60618107 US 11078857 US 11183263	US 20140268008 A1 US 20160246075 A9 US 10345625 B2	09/18/2014 08/25/2016 07/09/2019
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	Application No.:	18/597,874
Information Disclosure Statement By Applicant	Applicant	HOWELL et al.
	Filing Date	March 6, 2024
	Group	2872
(Use Several Sheets if Necessary)		Page 1 of 2

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L1	1	"18597874"	(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	2024/05/15 08:33 AM
L2	5	"18375893"	(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	2024/05/15 08:34 AM
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L4	3	"18144557"	(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	2024/05/14 09:42 AM
L5	5	"83901364".fmid.	(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; JPO)	OR	ON	ON	2024/05/14 09:42 AM
L7	2	"37803583".fmid.	(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; JPO)	OR	ON	ON	2024/05/15 08:36 AM
L10	12	"46332221".fmid.	(US-PGPUB; USPAT;	OR	ON	ON	2024/05/15

			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; JPO)				08:37 AM
L10	6	"46326291".fmid.	(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; JPO)	OR	ON	ON	2024/05/14 09:50 AM
L13	10	"48951410".fmid.	(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; JPO)	OR	ON	ON	2024/05/14 10:06 AM
L14	4	"17949029"	(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	2024/02/05 01:07 PM

L16	5	"16821810"	(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	2024/02/05 01:07 PM
L18	17	"46304853".fmid.	(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; JPO)	OR	ON	ON	2024/02/05 01:07 PM
L19	1	"27539742".fmid.	(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; JPO)	OR	ON	ON	2024/05/14 10:07 AM
L20	8	"17484080"	(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,	OR	ON	ON	2024/02/05 01:07 PM

			VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L22	11	"16574254"	(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	2024/02/05 01:07 PM
L23	103494	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4	(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	2024/02/05 01:07 PM
L24	82071	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4)	(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	2024/02/05 01:07 PM
L25	77662	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2024/02/05 01:07 PM

		control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4	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)				
L26	49408	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4	(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	2024/02/05 01:07 PM
L27	46211	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND (communicat$4 near10 wireless$4) AND (audio OR speak$4) AND embed$4	(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	2024/02/05 01:07 PM
L28	20279	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV.	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L29	144	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG")	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4					
L30	129	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4)	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L31	125	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L32	125	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND (communicat$4 near10 wireless$4) AND (audio OR speak$4) AND embed$4					
L33	103	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L34	84	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L35	84	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second					
L36	84	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L37	79	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		(memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4					
L43	4184	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND speaker$2 AND (sound WITH guid$4)	(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	2024/02/05 01:07 PM
L44	1509	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND (speaker$2 SAME (sound WITH guid$4))	(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	2024/02/05 01:07 PM
L45	622	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND temple AND ((speaker$2 OR audio) SAME (sound WITH guid$4))	(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;	OR	ON	ON	2024/02/05 01:07 PM

			JPO; DERWENT; IBM_TDB)				
L46	296	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND ((temples SAME speakers) AND (sound WITH guid$4))	(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	2024/02/05 01:07 PM
L47	13637	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND temple AND (speakers AND audio)	(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	2024/02/05 01:07 PM
L48	1282	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND (temple SAME (speakers WITH audio))	(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	2024/02/05 01:07 PM
L49	316	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		WITH control$4) AND (memor$4 OR stor$4) AND (batter$4 near10 rechargeable) AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4 AND impair$4					
L50	302	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4 WITH control$4) AND (memor$4 OR stor$4) AND (batter$4 near10 rechargeable) AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4 AND impair$4 AND compensat$4 AND amplif$6	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L51	302	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4 WITH control$4) AND (memor$4 OR stor$4) AND (batter$4 near10 rechargeable) AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4 AND impair$4 AND compensat$4 AND	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		amplif$6 AND customiz$4					
L52	3	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4 WITH control$4) AND (memor$4 OR stor$4) AND (batter$4 near10 rechargeable) AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4 AND impair$4 AND compensat$4 AND (amplif$6 WITH customiz$4)	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L53	17	"46304853".fmid.	(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; JPO)	OR	ON	ON	2024/02/05 01:07 PM
L54	103494	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4	(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	2024/02/05 01:07 PM
L55	82071	(eyewear$4 OR	(US-PGPUB; USPAT;	OR	ON	ON	2024/02/05

		glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4)	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)				01:07 PM
L56	77662	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4	(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	2024/02/05 01:07 PM
L57	49408	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4	(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	2024/02/05 01:07 PM
L58	46211	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND (communicat$4 near10	(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,	OR	ON	ON	2024/02/05 01:07 PM

		wireless$4) AND (audio OR speak$4) AND embed$4	NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L59	17504	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L60	11615	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L61	3610	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L62	1920	(eyewear$4 OR glasses$4 OR spetacl$4 OR	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		eyegalss$4) AND frame AND (circuit near10 board) AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4					
L63	1402	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4 WITH control$4) AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L64	722	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4 WITH control$4) AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4 AND rechargeable	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L65	710	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		WITH control$4) AND (memor$4 OR stor$4) AND (batter$4 near10 rechargeable) AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4					
L66	12657	L1 AND ((G02B27/017 OR G02B2027/0178 OR G02B27/0172 OR G02B2027/014 OR G02B2027/0138 OR G02B2027/0187 OR G02B27/0093 OR G02B27/0176 OR G02B2027/0118 OR G02B2027/0134 OR G02B27/0179 OR G02B2027/0141 OR G02B2027/0174 OR G02B27/0101 OR G02B27/01 OR G02B2027/0132 OR G02B2027/0127 OR G02B2027/0123 OR G02B30/24 OR G02B2027/0156 OR G02B2027/0112 OR G02B2027/0147 OR G02B27/0081 OR G02B3/14 OR G02B2027/011 OR G02B2027/0185 OR G02B6/005 OR G02B30/34 OR G02B2027/0154 OR G02B6/34 OR G02B26/101 OR G02B5/32 OR G02B2027/0125 OR G02B7/28 OR G02B2027/0181 OR G02B27/30 OR G02B27/646 OR G02B2027/015 OR G02B27/02 OR G02B6/0016 OR G02B26/0833 OR G02B30/00 OR G02B5/30 OR G02B27/4205 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, 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	2024/02/05 01:07 PM

		G02B6/0038 OR G02B30/25 OR G02B26/001 OR G02B13/0045 OR G02B26/10 OR G02B5/208 OR G02B2027/0159 OR G02B6/0036 OR G02B6/0076 OR G02B27/0075 OR G02B7/09 OR G02B2027/0152 OR G02B27/022 OR G02B2027/0116 OR G02B27/0149 OR G02B3/0081 OR G02B2027/0169 OR G02B6/0035 OR G02B27/283 OR G02B7/285 OR G02B13/06 OR G02B6/0065 OR G02B7/08 OR G02B5/3025 OR G02B2027/012 OR G02B27/0103 OR G02B5/1857 OR G02B6/00 OR G02B2027/013 OR G02B6/0023 OR G02B30/27 OR G02B27/00 OR G02B6/0068 OR G02B6/0055 OR G02B27/028 OR G02B7/023 OR G02B2027/0114 OR G02B26/005 OR G02B2027/0161 OR G02B26/105 OR G02B7/04 OR G02B7/102 OR G02B27/4272 OR G02B6/0011 OR G02B2027/0105 OR G02B5/23 OR G02B6/0088 OR G02B7/12 OR G02B7/02 OR G02B6/003 OR G02B3/0056 OR G02B5/08 OR G02B2027/0163 OR G02B21/365 OR G02B30/23 OR G02B5/20 OR G02B27/286 OR G02B6/006 OR					

		G02B6/10 OR G02B7/021 OR G02B27/1086 OR G02B6/0001 OR G02B6/0018 OR G02B3/0006 OR G02B5/005 OR G02B2027/0194 OR G02B2027/0198 OR G02B26/0816 OR G02B27/42 OR G02B6/0028 OR G02B13/009 OR G02B27/0018 OR G02B30/40 OR G02B6/0053 OR G02B5/1866 OR G02B9/64 OR G02B13/004 OR G02B19/0057 OR G02B21/0012 OR G02B26/004 OR G02B27/4227 OR G02B7/008 OR G02B3/0062 OR G02B5/1871 OR G02B13/18 OR G02B26/02 OR G02B5/18 OR G02B27/141 OR G02B26/0875 OR G02B27/0006 OR G02B6/002 OR G02B6/1226 OR G02B9/60 OR G02B2027/0158 OR G02B3/12 OR G02B5/223 OR G02B6/0051 OR G02B13/0035 OR G02B2027/0107 OR G02B21/06 OR G02B5/1823 OR G02B5/201 OR G02B5/3083 OR G02B6/29325 OR G02B9/62 OR G02B13/02 OR G02B2027/0136 OR G02B26/06 OR G02B2027/0143 OR G02B1/002 OR G02B1/11 OR G02B2027/0129 OR G02B26/00 OR G02B6/124 OR G02B26/0841 OR G02B30/36 OR					

		G02B3/0075 OR G02B5/0252 OR G02B6/4206 OR G02B19/0014 OR G02B27/0955 OR G02B5/1842 OR G02B27/1026 OR G02B6/0031 OR G02B1/041 OR G02B6/0026 OR G02B7/002 OR G02B13/0065 OR G02B26/0808 OR G02B26/0825 OR G02B27/0189 OR G02B27/106 OR G02B30/52 OR G02B13/14 OR G02B23/18 OR G02B27/0905 OR G02B30/33 OR G02B5/3016 OR G02B1/02 OR G02B2006/12107 OR G02B25/02 OR G02B26/026 OR G02B9/34 OR G02B27/0977 OR G02B27/145 OR G02B3/0043 OR G02B9/12 OR G02B2027/0183 OR G02B27/0988 OR G02B27/1066 OR G02B30/35 OR G02B6/0056 OR G02B6/4204 OR G02B13/00 OR G02B17/086 OR G02B25/001 OR G02B25/004 OR G02B27/0025 OR G02B27/48 OR G02B30/56 OR G02B6/0061 OR G02B6/1221 OR G02B27/102 OR G02B6/1225 OR G02B6/42 OR G02B13/001 OR G02B2006/12164 OR G02B3/0037 OR G02B6/0025 OR G02B6/0045 OR G02B6/0078 OR G02B6/0083 OR G02B6/12004 OR G02B6/12007 OR					

		G02B7/06 OR G02B27/44 OR G02B30/30 OR G02B6/0021 OR G02B21/362 OR G02B27/0994 OR G02B27/10 OR G02B6/0085 OR G02B9/04 OR G02B26/007 OR G02B27/20 OR G02B27/64 OR G02B3/00 OR G02B3/0031 OR G02B3/02 OR G02B3/08 OR G02B30/31 OR G02B7/003 OR G02B2006/12147 OR G02B21/025 OR G02B23/125 OR G02B6/13 OR G02B6/32 OR G02B13/0015 OR G02B19/0042 OR G02B27/0916 OR G02B27/0972 OR G02B30/26 OR G02B5/1809 OR G02B6/4214 OR G02B1/045 OR G02B2027/0109 OR G02B2027/0196 OR G02B27/0037 OR G02B27/0068 OR G02B27/1006 OR G02B5/04 OR G02B5/3058 OR G02B6/0046 OR G02B6/2848 OR G02B7/34 OR G02B13/007 OR G02B2003/0093 OR G02B26/08 OR G02B27/18 OR G02B3/04 OR G02B5/1861 OR G02B6/2706 OR G02B19/0028 OR G02B2027/0145 OR G02B27/143 OR G02B27/58 OR G02B27/62 OR G02B3/0068 OR G02B3/0087 OR G02B5/10 OR G02B5/28 OR G02B6/0015 OR					

		G02B6/0073 OR G02B6/122 OR G02B6/125 OR G02B6/4215 OR G02B7/022 OR G02B7/36 OR G02B1/10 OR G02B13/0075 OR G02B17/08 OR G02B19/0066 OR G02B21/36 OR G02B23/00 OR G02B27/0961 OR G02B27/144 OR G02B30/10 OR G02B5/00 OR G02B5/1847 OR G02B5/1852 OR G02B6/0006 OR G02B7/10 OR G02B13/008 OR G02B15/00 OR G02B19/0023 OR G02B19/0076 OR G02B21/22 OR G02B2207/101 OR G02B3/005 OR G02B6/001 OR G02B6/0033 OR G02B6/0058 OR G02B6/02 OR G02B7/028).cpc.)					
L67	4141	L1 AND ((G02C11/10 OR G02C7/101 OR G02C7/083 OR G02C11/06 OR G02C7/04 OR G02C11/00 OR G02C11/04 OR G02C5/143 OR G02C7/02 OR G02C5/14 OR G02C7/06 OR G02C7/08 OR G02C7/102 OR G02C5/146 OR G02C2202/16 OR G02C2202/20 OR G02C7/049 OR G02C7/022 OR G02C5/22 OR G02C2202/18 OR G02C5/001 OR G02C2202/22 OR G02C7/081 OR G02C2200/08 OR G02C7/085 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, 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	2024/02/05 01:07 PM

		G02C7/061 OR G02C7/16 OR G02C2200/02 OR G02C5/16 OR G02C7/066 OR G02C7/12 OR G02C2202/12 OR G02C3/003 OR G02C7/086 OR G02C2202/24 OR G02C9/00 OR G02C5/02 OR G02C5/12 OR G02C7/10 OR G02C7/041 OR G02C7/104 OR G02C11/08 OR G02C13/003 OR G02C7/088 OR G02C1/00 OR G02C5/20 OR G02C9/04 OR G02C7/00 OR G02C2202/10 OR G02C5/008 OR G02C1/06 OR G02C5/2209 OR G02C5/124 OR G02C11/02 OR G02C13/001 OR G02C5/10 OR G02C5/2227 OR G02C7/105 OR G02C13/005 OR G02C2200/10 OR G02C13/00 OR G02C2200/06 OR G02C5/2254 OR G02C5/006 OR G02C5/126 OR G02C1/10 OR G02C5/04 OR G02C5/2218 OR G02C5/2272 OR G02C9/02 OR G02C2200/18 OR G02C5/122 OR G02C7/108 OR G02C3/04 OR G02C5/00 OR G02C7/021 OR G02C5/08 OR G02C7/027).cpc.)					
L68	9842	L2 AND ((G02B27/017 OR G02B2027/0178 OR G02B27/0172 OR G02B2027/014 OR	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/02/05 01:07 PM

		G02B2027/0138 OR G02B2027/0187 OR G02B27/0093 OR G02B27/0176 OR G02B2027/0118 OR G02B2027/0134 OR G02B2027/0141 OR G02B27/0179 OR G02B27/0101 OR G02B27/01 OR G02B2027/0127 OR G02B2027/0174 OR G02B2027/0132 OR G02B2027/0123 OR G02B2027/0156 OR G02B2027/0147 OR G02B27/0081 OR G02B2027/0185 OR G02B2027/0112 OR G02B2027/011 OR G02B6/34 OR G02B6/005 OR G02B2027/0154 OR G02B26/101 OR G02B27/646 OR G02B3/14 OR G02B2027/0125 OR G02B2027/0181 OR G02B13/0045 OR G02B26/001 OR G02B6/0016 OR G02B27/30 OR G02B30/34 OR G02B5/30 OR G02B6/0038 OR G02B6/0036 OR G02B7/09 OR G02B2027/015 OR G02B27/0075 OR G02B27/4205 OR G02B5/208 OR G02B27/022 OR G02B7/08 OR G02B6/0035 OR G02B2027/012 OR G02B5/1857 OR G02B6/0076 OR G02B2027/0169 OR G02B2027/0152 OR G02B27/283 OR G02B2027/0159 OR G02B26/0833 OR G02B13/06 OR G02B26/10 OR G02B5/3025 OR G02B27/02 OR G02B27/028 OR G02B30/24 OR	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)				

		G02B27/4272 OR G02B5/32 OR G02B6/0065 OR G02B27/0149 OR G02B2027/0114 OR G02B6/00 OR G02B7/04 OR G02B6/0068 OR G02B27/286 OR G02B6/10 OR G02B2027/0116 OR G02B26/105 OR G02B6/0088 OR G02B2027/0161 OR G02B30/27 OR G02B5/08 OR G02B6/0001 OR G02B2027/0105 OR G02B21/365 OR G02B6/0011 OR G02B6/0023 OR G02B5/1866 OR G02B7/023 OR G02B27/42 OR G02B30/40 OR G02B27/00 OR G02B27/0018 OR G02B7/021 OR G02B7/102 OR G02B7/12 OR G02B9/64 OR G02B2027/0198 OR G02B27/4227 OR G02B6/0053 OR G02B6/0055 OR G02B7/02 OR G02B3/0006 OR G02B5/1871 OR G02B6/003 OR G02B13/009 OR G02B13/18 OR G02B2027/0163 OR G02B13/004 OR G02B26/005 OR G02B7/008 OR G02B3/0062 OR G02B9/60 OR G02B3/0056 OR G02B6/0028 OR G02B27/1086 OR G02B5/1823 OR G02B6/29325 OR G02B9/62 OR G02B13/0035 OR G02B13/02 OR G02B21/06 OR G02B26/0875 OR G02B30/00 OR					

		G02B6/0018 OR G02B6/006 OR G02B2027/0136 OR G02B5/18 OR G02B5/3083 OR G02B26/004 OR G02B30/23 OR G02B5/005 OR G02B6/0051 OR G02B7/28 OR G02B3/0075 OR G02B2027/0107 OR G02B2027/013 OR G02B2027/0194 OR G02B5/1842 OR G02B5/20 OR G02B6/002 OR G02B21/0012 OR G02B26/06 OR G02B27/0103 OR G02B2027/0129 OR G02B26/0841 OR G02B3/12 OR G02B1/002 OR G02B1/11 OR G02B30/25 OR G02B5/201 OR G02B2027/0143 OR G02B27/0955 OR G02B6/0026 OR G02B9/34 OR G02B1/041 OR G02B13/14 OR G02B26/026 OR G02B26/0825 OR G02B27/0977 OR G02B3/0043 OR G02B5/223 OR G02B9/12 OR G02B2027/0183 OR G02B26/02 OR G02B30/56 OR G02B2027/0158 OR G02B26/00 OR G02B6/0031 OR G02B6/0056 OR G02B6/4204 OR G02B13/00 OR G02B27/0025 OR G02B5/3016 OR G02B6/0078 OR G02B19/0057 OR G02B6/0083 OR G02B6/0085 OR G02B9/04 OR G02B13/0065 OR G02B17/086 OR G02B26/007 OR					

		G02B27/10 OR G02B30/52 OR G02B6/0021 OR G02B21/025 OR G02B3/0031 OR G02B30/31 OR G02B30/35 OR G02B30/36 OR G02B7/002 OR G02B26/0816 OR G02B27/0916 OR G02B3/08 OR G02B7/003 OR G02B27/0037 OR G02B27/44 OR G02B3/0037 OR G02B6/0025 OR G02B6/0061 OR G02B13/001 OR G02B13/0015 OR G02B13/007 OR G02B27/0006 OR G02B27/48 OR G02B3/02 OR G02B30/33 OR G02B6/2706 OR G02B6/32 OR G02B2027/0145 OR G02B26/08 OR G02B27/64 OR G02B5/04 OR G02B6/0045 OR G02B6/124 OR G02B19/0066 OR G02B21/36 OR G02B21/362 OR G02B27/102 OR G02B3/00 OR G02B3/0068 OR G02B5/1847 OR G02B5/1852 OR G02B6/12007 OR G02B6/122 OR G02B13/008 OR G02B19/0076 OR G02B23/18 OR G02B27/0189 OR G02B27/20 OR G02B27/62 OR G02B3/04 OR G02B30/10 OR G02B5/1861 OR G02B5/23 OR G02B6/0033 OR G02B6/0046 OR G02B7/34 OR G02B13/003 OR G02B15/142 OR					

		G02B19/009 OR G02B2003/0093 OR G02B2027/0196 OR G02B25/001 OR G02B27/0972 OR G02B27/1033 OR G02B27/141 OR G02B27/425 OR G02B30/30 OR G02B6/0006 OR G02B6/0008 OR G02B6/0073 OR G02B6/009 OR G02B6/02085 OR G02B6/29316 OR G02B6/29328 OR G02B6/4206 OR G02B6/443 OR G02B6/4471 OR G02B7/028 OR G02B9/36 OR G02B1/10 OR G02B13/002 OR G02B13/006 OR G02B15/00 OR G02B15/10 OR G02B15/20 OR G02B17/0605 OR G02B19/0028 OR G02B19/0047 OR G02B2027/0109 OR G02B27/04 OR G02B27/144 OR G02B3/0087 OR G02B30/50 OR G02B5/10 OR G02B7/10 OR G02B13/0055 OR G02B13/04 OR G02B17/06 OR G02B17/08 OR G02B27/0961 OR G02B27/281 OR G02B5/0252 OR G02B5/12 OR G02B5/1809 OR G02B5/26 OR G02B5/281 OR G02B6/001 OR G02B6/02 OR G02B6/105 OR G02B7/182 OR G02B7/36).cpc.)					
L69	2404	L2 AND ((G02C11/10 OR G02C11/06 OR G02C7/04 OR G02C7/101 OR	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/02/05 01:07 PM

		G02C11/00 OR G02C5/143 OR G02C5/14 OR G02C7/083 OR G02C11/04 OR G02C5/001 OR G02C5/146 OR G02C2200/02 OR G02C3/003 OR G02C5/16 OR G02C5/22 OR G02C7/086 OR G02C5/02 OR G02C7/06 OR G02C2200/08 OR G02C7/16 OR G02C7/02 OR G02C5/20 OR G02C9/00 OR G02C5/12 OR G02C7/00 OR G02C7/085 OR G02C13/003 OR G02C9/04 OR G02C7/08 OR G02C7/081 OR G02C2202/10 OR G02C7/12 OR G02C2200/10 OR G02C2202/24 OR G02C7/049 OR G02C5/124 OR G02C5/2227 OR G02C5/2254 OR G02C1/00 OR G02C1/06 OR G02C1/10 OR G02C2200/06 OR G02C2200/18 OR G02C7/102 OR G02C11/08 OR G02C7/104 OR G02C2202/22 OR G02C5/2209 OR G02C5/2218 OR G02C7/088 OR G02C7/105 OR G02C3/006 OR G02C7/021 OR G02C9/02 OR G02C11/02 OR G02C5/2263 OR G02C2200/26 OR G02C5/122 OR G02C7/10).cpc.)	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)				
L70	5079	L4 AND ((G02B27/017 OR G02B2027/0178	(US-PGPUB; USPAT; USOCR; FIT (AU, AP,	OR	ON	ON	2024/02/05 01:07 PM

		OR G02B27/0172 OR G02B2027/014 OR G02B2027/0138 OR G02B2027/0187 OR G02B27/0093 OR G02B27/0176 OR G02B2027/0134 OR G02B2027/0141 OR G02B27/01 OR G02B2027/0118 OR G02B27/0179 OR G02B27/0101 OR G02B2027/0127 OR G02B2027/0174 OR G02B2027/0132 OR G02B2027/0123 OR G02B2027/0156 OR G02B2027/0185 OR G02B2027/0147 OR G02B6/34 OR G02B26/001 OR G02B13/0045 OR G02B27/0081 OR G02B26/101 OR G02B27/646 OR G02B6/005 OR G02B2027/0112 OR G02B2027/0125 OR G02B27/022 OR G02B30/34 OR G02B27/0075 OR G02B2027/0169 OR G02B7/09 OR G02B2027/0181 OR G02B13/06 OR G02B27/028 OR G02B2027/0154 OR G02B5/208 OR G02B27/4205 OR G02B5/30 OR G02B6/0035 OR G02B26/0833 OR G02B5/3025 OR G02B27/283 OR G02B6/0036 OR G02B6/0038 OR G02B6/0076 OR G02B6/10 OR G02B6/0001 OR G02B2027/012 OR G02B2027/011 OR G02B27/286 OR G02B2027/0114 OR G02B27/42 OR G02B5/32 OR G02B7/023 OR G02B2027/0105 OR G02B27/4227 OR	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)				

		G02B3/14 OR G02B9/64 OR G02B30/24 OR G02B6/0016 OR G02B6/0023 OR G02B7/08 OR G02B13/004 OR G02B27/0018 OR G02B27/30 OR G02B7/021 OR G02B5/08 OR G02B6/0068 OR G02B9/60 OR G02B7/02 OR G02B27/02 OR G02B27/00 OR G02B30/40 OR G02B7/008 OR G02B6/0053 OR G02B26/10 OR G02B26/105 OR G02B27/1086 OR G02B5/1823 OR G02B5/1857 OR G02B5/1866 OR G02B5/1871 OR G02B6/29325 OR G02B9/62 OR G02B2027/0161 OR G02B5/005 OR G02B13/02 OR G02B13/009 OR G02B7/102 OR G02B2027/0159 OR G02B30/00 OR G02B2027/015 OR G02B3/0006 OR G02B6/0055 OR G02B6/0088 OR G02B2027/0136 OR G02B21/365 OR G02B6/003 OR G02B2027/0194 OR G02B2027/0198 OR G02B6/0011 OR G02B6/0065 OR G02B7/04 OR G02B2027/0163 OR G02B21/06 OR G02B5/3083 OR G02B9/34 OR G02B13/18 OR G02B27/0977 OR G02B6/00 OR G02B2027/013 OR G02B27/0149 OR G02B27/4272 OR G02B2027/0152 OR					

		G02B5/201 OR G02B6/0051 OR G02B1/002 OR G02B5/20 OR G02B7/12 OR G02B26/0841 OR G02B27/0025 OR G02B27/0955 OR G02B1/041 OR G02B26/005 OR G02B30/56 OR G02B2027/0183 OR G02B27/0103 OR G02B13/0065 OR G02B26/00 OR G02B26/007 OR G02B26/026 OR G02B30/23 OR G02B30/52 OR G02B7/28 OR G02B2027/0116 OR G02B6/0018 OR G02B6/002 OR G02B6/0028 OR G02B6/0078 OR G02B9/04 OR G02B19/0057 OR G02B27/0916 OR G02B5/3016 OR G02B2027/0107 OR G02B2027/0129 OR G02B3/02 OR G02B5/223 OR G02B6/0056 OR G02B6/2706 OR G02B13/00 OR G02B13/001 OR G02B13/0035 OR G02B26/004 OR G02B30/27 OR G02B6/0021 OR G02B2027/0143 OR G02B26/0825 OR G02B3/00 OR G02B3/08 OR G02B6/32 OR G02B7/002 OR G02B13/0015 OR G02B13/008 OR G02B27/0037 OR G02B30/35 OR G02B6/0031 OR G02B6/0033 OR G02B1/11 OR G02B13/003 OR G02B13/14 OR G02B19/009 OR G02B26/0816 OR					

		G02B27/0006 OR G02B27/10 OR G02B27/102 OR G02B3/0037 OR G02B3/0056 OR G02B30/36 OR G02B5/04 OR G02B5/18 OR G02B6/0006 OR G02B6/0008 OR G02B6/0025 OR G02B6/009 OR G02B6/12007 OR G02B6/29316 OR G02B6/29328 OR G02B6/4204 OR G02B6/443 OR G02B6/4471 OR G02B9/36 OR G02B13/002 OR G02B13/006 OR G02B15/142 OR G02B17/0605 OR G02B2027/0145 OR G02B27/141 OR G02B27/64 OR G02B3/0068 OR G02B6/0073 OR G02B7/10 OR G02B9/12 OR G02B17/086 OR G02B27/425 OR G02B27/48 OR G02B3/12 OR G02B30/25 OR G02B5/26 OR G02B6/006 OR G02B6/0083 OR G02B6/105 OR G02B6/124 OR G02B7/003 OR G02B7/182 OR G02B27/0068 OR G02B27/0972 OR G02B27/144 OR G02B5/23 OR G02B6/001 OR G02B6/0046 OR G02B13/04 OR G02B15/10 OR G02B17/08 OR G02B2027/0196 OR G02B26/08 OR G02B27/0961 OR G02B27/1033 OR G02B27/281 OR G02B3/0087 OR G02B30/10 OR					

		G02B5/124 OR G02B6/0015 OR G02B6/0086 OR G02B6/02066 OR G02B6/29356 OR G02B6/325 OR G02B6/4206 OR G02B7/285 OR G02B13/0005 OR G02B13/0055 OR G02B2003/0093 OR G02B2027/0109 OR G02B23/00 OR G02B25/001 OR G02B27/005 OR G02B27/04 OR G02B27/149 OR G02B27/62 OR G02B30/31 OR G02B5/1809 OR G02B5/1842 OR G02B5/1847 OR G02B5/206 OR G02B6/0026 OR G02B6/0045 OR G02B6/122 OR G02B6/1221 OR G02B6/274 OR G02B6/2766 OR G02B6/42).cpc.)					
L71	1210	L4 AND ((G02C11/10 OR G02C11/06 OR G02C7/04 OR G02C11/00 OR G02C7/101 OR G02C5/14 OR G02C5/143 OR G02C5/001 OR G02C5/146 OR G02C2200/02 OR G02C3/003 OR G02C5/22 OR G02C11/04 OR G02C7/083 OR G02C5/16 OR G02C2200/08 OR G02C5/12 OR G02C7/00 OR G02C9/00 OR G02C7/081 OR G02C5/02 OR G02C7/02 OR G02C2200/10 OR G02C7/049 OR G02C7/086 OR G02C7/12 OR G02C7/08 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, 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	2024/02/05 01:07 PM

		G02C9/04 OR G02C7/16 OR G02C1/00 OR G02C1/10 OR G02C7/06 OR G02C1/06 OR G02C7/104 OR G02C5/20 OR G02C2202/10 OR G02C7/021 OR G02C7/085 OR G02C9/02 OR G02C7/105 OR G02C5/006 OR G02C5/045 OR G02C7/022 OR G02C7/041 OR G02C7/10).cpc.)					
L72	9435	L17 AND ((G02B27/017 OR G02B2027/0178 OR G02B27/0172 OR G02B2027/014 OR G02B2027/0138 OR G02B2027/0187 OR G02B27/0093 OR G02B27/0176 OR G02B2027/0141 OR G02B2027/0134 OR G02B27/01 OR G02B27/0179 OR G02B27/0101 OR G02B2027/0127 OR G02B2027/0118 OR G02B2027/0174 OR G02B2027/0132 OR G02B2027/0185 OR G02B2027/0156 OR G02B2027/0123 OR G02B26/001 OR G02B13/0045 OR G02B6/34 OR G02B27/0081 OR G02B2027/0147 OR G02B26/101 OR G02B6/005 OR G02B2027/0112 OR G02B27/646 OR G02B27/022 OR G02B30/34 OR G02B2027/0125 OR G02B2027/0169 OR G02B7/09 OR G02B13/06 OR G02B2027/0181 OR G02B27/028 OR G02B2027/0154 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, 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	2024/02/05 01:07 PM

		G02B27/0075 OR G02B5/208 OR G02B27/4205 OR G02B6/0036 OR G02B6/0038 OR G02B27/283 OR G02B6/0076 OR G02B5/3025 OR G02B6/10 OR G02B6/0001 OR G02B2027/012 OR G02B2027/0114 OR G02B27/42 OR G02B5/32 OR G02B7/023 OR G02B26/0833 OR G02B27/4227 OR G02B2027/0105 OR G02B6/0035 OR G02B9/64 OR G02B5/30 OR G02B13/004 OR G02B27/0018 OR G02B27/30 OR G02B30/24 OR G02B5/08 OR G02B6/0016 OR G02B6/0023 OR G02B6/0068 OR G02B9/60 OR G02B27/286 OR G02B7/02 OR G02B7/021 OR G02B2027/011 OR G02B27/02 OR G02B30/40 OR G02B7/008 OR G02B26/10 OR G02B26/105 OR G02B27/1086 OR G02B5/1823 OR G02B5/1857 OR G02B5/1866 OR G02B5/1871 OR G02B6/0053 OR G02B6/29325 OR G02B7/08 OR G02B9/62 OR G02B5/005 OR G02B13/02 OR G02B7/102 OR G02B2027/0161 OR G02B3/14 OR G02B2027/0159 OR G02B27/00 OR G02B30/00 OR G02B2027/015 OR G02B21/365 OR					

		G02B6/0055 OR G02B6/0088 OR G02B13/009 OR G02B2027/0198 OR G02B7/04 OR G02B2027/0136 OR G02B2027/0163 OR G02B2027/0194 OR G02B21/06 OR G02B6/0011 OR G02B6/0065 OR G02B9/34 OR G02B13/18 OR G02B2027/013 OR G02B27/0149 OR G02B27/0977 OR G02B5/3083 OR G02B5/201 OR G02B6/0051 OR G02B1/002 OR G02B3/0006 OR G02B5/20 OR G02B26/0841 OR G02B27/0955 OR G02B7/12 OR G02B1/041 OR G02B2027/0152 OR G02B27/0025 OR G02B2027/0183 OR G02B26/005 OR G02B27/0103 OR G02B27/4272 OR G02B6/00 OR G02B13/0065 OR G02B26/00 OR G02B26/007 OR G02B26/026 OR G02B30/23 OR G02B30/52 OR G02B2027/0116 OR G02B30/56 OR G02B6/0078 OR G02B9/04 OR G02B19/0057 OR G02B27/0916 OR G02B6/0028 OR G02B6/003 OR G02B2027/0107 OR G02B6/0018 OR G02B6/002 OR G02B2027/0129 OR G02B3/02 OR G02B5/3016 OR G02B6/0056 OR G02B13/0035 OR G02B6/0021 OR G02B6/2706 OR G02B13/00 OR					

		G02B26/004 OR G02B3/08 OR G02B13/0015 OR G02B13/008 OR G02B2027/0143 OR G02B27/0037 OR G02B6/0031 OR G02B6/0033 OR G02B7/002 OR G02B7/28 OR G02B13/003 OR G02B13/14 OR G02B19/009 OR G02B27/0006 OR G02B27/102 OR G02B3/00 OR G02B3/0037 OR G02B3/0056 OR G02B30/36 OR G02B5/04 OR G02B5/223 OR G02B6/0025 OR G02B6/009 OR G02B6/12007 OR G02B6/29316 OR G02B6/29328 OR G02B9/36 OR G02B1/11 OR G02B13/002 OR G02B15/142 OR G02B2027/0145 OR G02B27/141 OR G02B3/0068 OR G02B6/0073 OR G02B9/12 OR G02B13/001 OR G02B13/006 OR G02B17/086 OR G02B27/425 OR G02B27/48 OR G02B27/64 OR G02B3/12 OR G02B30/25 OR G02B30/35 OR G02B5/18 OR G02B6/0083 OR G02B6/124 OR G02B6/32 OR G02B7/10 OR G02B7/182 OR G02B26/0816 OR G02B27/0068 OR G02B27/0972 OR G02B27/10 OR G02B5/26 OR G02B6/001 OR G02B6/006 OR G02B7/003 OR					

		G02B13/04 OR G02B15/10 OR G02B17/08 OR G02B26/08 OR G02B27/0961 OR G02B27/281 OR G02B3/0087 OR G02B5/124 OR G02B6/0015 OR G02B6/0046 OR G02B6/0086 OR G02B6/29356 OR G02B6/4206 OR G02B13/0055 OR G02B17/0605 OR G02B2003/0093 OR G02B2027/0109 OR G02B23/00 OR G02B25/001 OR G02B27/005 OR G02B27/62 OR G02B30/27 OR G02B30/31 OR G02B5/1809 OR G02B5/1842 OR G02B5/1847 OR G02B5/206 OR G02B5/23 OR G02B6/0026 OR G02B6/0045 OR G02B6/122 OR G02B6/1221 OR G02B6/42 OR G02B7/285).cpc.)					
L73	2195	L17 AND ((G02C11/10 OR G02C11/06 OR G02C7/04 OR G02C11/00 OR G02C5/14 OR G02C7/101 OR G02C5/143 OR G02C5/001 OR G02C3/003 OR G02C5/146 OR G02C2200/02 OR G02C5/22 OR G02C11/04 OR G02C5/16 OR G02C7/083 OR G02C2200/08 OR G02C5/12 OR G02C9/00 OR G02C5/02 OR G02C2200/10 OR G02C7/081 OR G02C7/086 OR G02C7/00 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, 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	2024/02/05 01:07 PM

		G02C7/02 OR G02C9/04 OR G02C7/16 OR G02C7/049 OR G02C1/00 OR G02C1/10 OR G02C7/06 OR G02C7/08 OR G02C1/06 OR G02C5/20 OR G02C7/021 OR G02C7/12 OR G02C2202/10 OR G02C7/085 OR G02C5/006 OR G02C9/02 OR G02C5/045 OR G02C7/10 OR G02C7/104).cpc.)					
L74	2462	L30 AND ((G02B27/017 OR G02B2027/0178 OR G02B27/0172 OR G02B2027/014 OR G02B2027/0138 OR G02B27/0093 OR G02B2027/0187 OR G02B27/0176 OR G02B2027/0127 OR G02B27/0101 OR G02B2027/0118 OR G02B2027/0134 OR G02B2027/0141 OR G02B27/0179 OR G02B2027/0156 OR G02B2027/0174 OR G02B2027/0132 OR G02B6/34 OR G02B2027/0123 OR G02B2027/0185 OR G02B27/01 OR G02B2027/0147 OR G02B27/4205 OR G02B26/101 OR G02B27/4227 OR G02B6/10 OR G02B2027/0105 OR G02B27/42 OR G02B26/001 OR G02B27/0081 OR G02B2027/0112 OR G02B13/0045 OR G02B2027/0169 OR G02B6/0001 OR G02B27/0075 OR G02B2027/0125 OR G02B27/028 OR	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		G02B27/646 OR G02B6/0035 OR G02B27/022 OR G02B5/30 OR G02B6/005 OR G02B2027/0181 OR G02B2027/012 OR G02B26/0833 OR G02B27/283 OR G02B6/0038 OR G02B13/06 OR G02B6/0036 OR G02B2027/011 OR G02B3/14 OR G02B5/3025 OR G02B2027/0161 OR G02B7/09 OR G02B2027/0114 OR G02B27/286 OR G02B27/30 OR G02B5/32 OR G02B6/0016 OR G02B2027/0154 OR G02B27/0018 OR G02B6/0023 OR G02B6/0076 OR G02B5/3083 OR G02B6/003 OR G02B26/105 OR G02B5/208 OR G02B7/008 OR G02B2027/0194 OR G02B6/0068 OR G02B9/60 OR G02B9/64 OR G02B27/1086 OR G02B30/34 OR G02B5/005 OR G02B5/1823 OR G02B5/1857 OR G02B5/1866 OR G02B5/1871 OR G02B6/0055 OR G02B6/29325 OR G02B7/08 OR G02B13/004 OR G02B13/009 OR G02B2027/015 OR G02B27/0977 OR G02B5/08 OR G02B19/0057 OR G02B27/0916 OR G02B6/00 OR G02B6/0053 OR G02B7/102 OR G02B13/02 OR G02B2027/013 OR G02B2027/0136 OR					

		G02B26/10 OR G02B27/0103 OR G02B27/0149 OR G02B30/56 OR G02B27/0025 OR G02B27/4272 OR G02B30/27 OR G02B30/52 OR G02B6/0088 OR G02B9/62 OR G02B13/0065 OR G02B30/00 OR G02B6/0006 OR G02B6/0008 OR G02B6/4204 OR G02B6/443 OR G02B6/4471 OR G02B7/023 OR G02B2027/0145 OR G02B2027/0159 OR G02B2027/0163 OR G02B3/0006 OR G02B6/0065 OR G02B7/02 OR G02B7/04 OR G02B7/12 OR G02B1/002 OR G02B17/086 OR G02B2027/0152 OR G02B21/365 OR G02B26/0816 OR G02B27/02 OR G02B30/35 OR G02B5/04 OR G02B5/3016 OR G02B6/0018 OR G02B6/0031 OR G02B6/0078 OR G02B6/105 OR G02B7/003 OR G02B7/021 OR G02B9/34 OR G02B1/041 OR G02B15/10 OR G02B26/005 OR G02B27/00 OR G02B27/0955 OR G02B27/10 OR G02B27/1033 OR G02B6/002 OR G02B6/0051 OR G02B6/124 OR G02B13/001 OR G02B13/0035 OR G02B2027/0109 OR G02B2027/0183 OR G02B21/06 OR G02B26/00 OR					

		G02B26/0841 OR G02B27/141 OR G02B27/425 OR G02B3/0087 OR G02B5/1809 OR G02B5/1847 OR G02B6/0026 OR G02B6/02066 OR G02B6/122 OR G02B6/1221 OR G02B6/274 OR G02B6/2766 OR G02B9/04 OR G02B13/008 OR G02B13/14 OR G02B2027/0107 OR G02B2027/0143 OR G02B26/004 OR G02B26/007 OR G02B27/0037 OR G02B5/18 OR G02B5/20 OR G02B5/201 OR G02B6/0021 OR G02B6/0056 OR G02B6/32 OR G02B7/002 OR G02B9/36 OR G02B13/00 OR G02B13/0015 OR G02B13/003 OR G02B13/04 OR G02B13/18 OR G02B15/142 OR G02B19/009 OR G02B2027/0116 OR G02B27/0972 OR G02B27/281 OR G02B27/64 OR G02B3/00 OR G02B30/10 OR G02B30/24 OR G02B30/26 OR G02B5/26 OR G02B6/0028 OR G02B6/0045 OR G02B6/0046 OR G02B6/0073 OR G02B6/0083 OR G02B6/009 OR G02B9/12 OR G02B13/006 OR G02B17/0605 OR G02B2003/0093 OR G02B2027/0198 OR G02B2207/113 OR G02B25/001 OR G02B26/103 OR					

		G02B27/0944 OR G02B27/1046 OR G02B27/4294 OR G02B27/58 OR G02B3/0056 OR G02B3/08 OR G02B3/12 OR G02B5/124 OR G02B5/223 OR G02B5/3058 OR G02B6/0025 OR G02B6/0033 OR G02B6/0061 OR G02B6/12009 OR G02B6/29356 OR G02B7/10 OR G02B1/00 OR G02B1/10 OR G02B1/11 OR G02B13/002 OR G02B13/007 OR G02B15/1421 OR G02B15/143503 OR G02B15/144105 OR G02B15/144113 OR G02B15/1451 OR G02B15/26 OR G02B19/0014 OR G02B19/0076 OR G02B2027/0129 OR G02B2027/019 OR G02B2027/0196 OR G02B21/0012 OR G02B2207/115 OR G02B23/00 OR G02B23/18 OR G02B26/023 OR G02B26/0808 OR G02B26/085 OR G02B26/0858 OR G02B26/0875 OR G02B27/0189 OR G02B27/024 OR G02B27/144 OR G02B27/149 OR G02B27/28 OR G02B27/288 OR G02B27/44 OR G02B27/48 OR G02B3/005 OR G02B30/22 OR G02B30/36 OR G02B30/50 OR G02B5/0284 OR G02B5/1842 OR G02B5/1876 OR G02B5/22 OR G02B5/23 OR					

		G02B6/0011 OR G02B6/0015 OR G02B6/0048 OR G02B6/0058 OR G02B6/006 OR G02B6/0086 OR G02B6/02 OR G02B6/06 OR G02B6/12019 OR G02B6/27 OR G02B6/4206 OR G02B7/005 OR G02B7/028 OR G02B7/105 OR G02B7/1821 OR G02B7/1822 OR G02B7/1824 OR G02B7/28 OR G02B7/285 OR G02B7/346 OR G02B7/38 OR G02B9/18).cpc.)					
L75	622	L30 AND ((G02C11/10 OR G02C11/06 OR G02C7/04 OR G02C5/143 OR G02C11/00 OR G02C5/146 OR G02C5/001 OR G02C5/14 OR G02C7/101 OR G02C3/003 OR G02C2200/08 OR G02C2200/02 OR G02C7/083 OR G02C7/12 OR G02C5/16 OR G02C5/22 OR G02C7/16 OR G02C7/086 OR G02C9/04 OR G02C11/04 OR G02C2200/10 OR G02C5/12 OR G02C9/00 OR G02C7/06 OR G02C7/081 OR G02C7/104 OR G02C5/02 OR G02C7/105 OR G02C7/08 OR G02C5/006 OR G02C7/00 OR G02C1/10 OR G02C5/20 OR G02C5/045 OR G02C7/021 OR	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		G02C1/06 OR G02C2202/06 OR G02C3/006 OR G02C5/08 OR G02C5/2209 OR G02C5/2272 OR G02C9/02 OR G02C2200/26 OR G02C3/04 OR G02C5/2236 OR G02C5/2254 OR G02C5/2263 OR G02C7/02).cpc.)					
L76	2091	L31 AND ((G02B27/017 OR G02B2027/0178 OR G02B27/0172 OR G02B2027/014 OR G02B2027/0138 OR G02B27/0093 OR G02B2027/0187 OR G02B27/0176 OR G02B2027/0127 OR G02B2027/0118 OR G02B2027/0134 OR G02B27/0101 OR G02B27/0179 OR G02B2027/0141 OR G02B2027/0156 OR G02B6/34 OR G02B2027/0132 OR G02B2027/0174 OR G02B2027/0185 OR G02B2027/0123 OR G02B2027/0147 OR G02B27/01 OR G02B27/4205 OR G02B6/10 OR G02B2027/0105 OR G02B26/101 OR G02B27/42 OR G02B27/4227 OR G02B26/001 OR G02B2027/0169 OR G02B27/0081 OR G02B27/0075 OR G02B27/028 OR G02B2027/0112 OR G02B2027/0125 OR G02B6/0001 OR G02B6/0035 OR G02B27/022 OR G02B6/005 OR G02B2027/012 OR G02B27/283 OR G02B5/30 OR G02B6/0038 OR	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		G02B6/0036 OR G02B13/0045 OR G02B2027/0181 OR G02B5/3025 OR G02B2027/0161 OR G02B2027/011 OR G02B2027/0114 OR G02B27/30 OR G02B6/0016 OR G02B2027/0154 OR G02B27/286 OR G02B3/14 OR G02B6/0023 OR G02B5/3083 OR G02B6/003 OR G02B6/0076 OR G02B27/0018 OR G02B7/008 OR G02B26/0833 OR G02B13/06 OR G02B2027/0194 OR G02B27/1086 OR G02B5/1823 OR G02B5/1857 OR G02B5/1866 OR G02B5/1871 OR G02B6/0055 OR G02B6/29325 OR G02B2027/015 OR G02B30/34 OR G02B26/105 OR G02B6/0053 OR G02B26/10 OR G02B27/0103 OR G02B27/646 OR G02B5/08 OR G02B9/60 OR G02B2027/0136 OR G02B30/27 OR G02B30/52 OR G02B5/208 OR G02B6/0068 OR G02B6/0088 OR G02B7/09 OR G02B9/62 OR G02B13/009 OR G02B2027/013 OR G02B30/56 OR G02B5/32 OR G02B6/0006 OR G02B6/0008 OR G02B6/4204 OR G02B6/443 OR G02B6/4471 OR G02B9/64 OR G02B2027/0163 OR G02B27/0977 OR G02B6/0065 OR					

		G02B13/004 OR G02B2027/0159 OR G02B30/00 OR G02B6/00 OR G02B7/023 OR G02B7/12 OR G02B1/002 OR G02B17/086 OR G02B2027/0145 OR G02B21/365 OR G02B27/0025 OR G02B27/02 OR G02B5/04 OR G02B5/3016 OR G02B6/0018 OR G02B6/0031 OR G02B6/105 OR G02B7/003 OR G02B13/02 OR G02B2027/0152 OR G02B27/00 OR G02B27/0149 OR G02B27/10 OR G02B27/1033 OR G02B27/4272 OR G02B6/002 OR G02B6/0051 OR G02B6/124 OR G02B13/001 OR G02B13/0035 OR G02B15/10 OR G02B2027/0109 OR G02B2027/0183 OR G02B21/06 OR G02B26/00 OR G02B27/141 OR G02B27/425 OR G02B3/0006 OR G02B30/35 OR G02B5/005 OR G02B5/1809 OR G02B5/1847 OR G02B6/0026 OR G02B6/02066 OR G02B6/122 OR G02B6/1221 OR G02B6/274 OR G02B6/2766 OR G02B7/021 OR G02B7/04 OR G02B7/08 OR G02B1/041 OR G02B13/0065 OR G02B13/008 OR G02B13/14 OR G02B2027/0107 OR G02B2027/0143 OR G02B26/005 OR					

		G02B26/007 OR G02B5/20 OR G02B6/0056 OR G02B6/32 OR G02B7/002 OR G02B9/36 OR G02B13/003 OR G02B13/18 OR G02B15/142 OR G02B19/009 OR G02B2027/0116 OR G02B26/0816 OR G02B27/0972 OR G02B27/281 OR G02B27/64 OR G02B3/00 OR G02B30/10 OR G02B30/24 OR G02B30/26 OR G02B5/18 OR G02B5/26 OR G02B6/0045 OR G02B6/0046 OR G02B6/0073 OR G02B6/0083 OR G02B6/009 OR G02B7/02 OR G02B7/102 OR G02B9/04 OR G02B9/12 OR G02B9/34 OR G02B17/0605 OR G02B2027/0198 OR G02B2207/113 OR G02B25/001 OR G02B26/0841 OR G02B26/103 OR G02B27/0037 OR G02B27/0944 OR G02B27/0955 OR G02B27/1046 OR G02B27/4294 OR G02B27/58 OR G02B5/124 OR G02B5/201 OR G02B5/223 OR G02B6/0025 OR G02B6/0028 OR G02B6/0033 OR G02B6/0061 OR G02B6/0078 OR G02B6/12009 OR G02B6/29356 OR G02B1/00 OR G02B1/10 OR G02B13/007 OR G02B13/04 OR G02B15/1421 OR					

		G02B2027/0129 OR G02B2027/019 OR G02B2027/0196 OR G02B21/0012 OR G02B2207/115 OR G02B23/00 OR G02B23/18 OR G02B26/004 OR G02B26/0808 OR G02B26/085 OR G02B26/0858 OR G02B26/0875 OR G02B27/0189 OR G02B27/024 OR G02B27/144 OR G02B27/149 OR G02B27/44 OR G02B27/48 OR G02B3/005 OR G02B30/22 OR G02B30/36 OR G02B30/50 OR G02B5/0284 OR G02B5/1842 OR G02B5/1876 OR G02B5/22 OR G02B5/23 OR G02B5/3058 OR G02B6/0011 OR G02B6/0015 OR G02B6/0048 OR G02B6/0058 OR G02B6/006 OR G02B6/0086 OR G02B6/02 OR G02B6/06 OR G02B6/12019 OR G02B6/27 OR G02B7/005 OR G02B7/105 OR G02B7/1824 OR G02B7/28 OR G02B7/285 OR G02B7/346 OR G02B1/007 OR G02B1/04 OR G02B1/115 OR G02B1/118 OR G02B13/0055 OR G02B13/006 OR G02B13/0075 OR G02B15/06 OR G02B17/08 OR G02B19/0047 OR G02B2003/0093 OR G02B2027/0158 OR G02B2027/0192 OR G02B21/00 OR					

		G02B2207/101 OR G02B2207/123 OR G02B27/0068 OR G02B27/0938 OR G02B27/0961 OR G02B27/108 OR G02B27/142 OR G02B27/28 OR G02B27/285 OR G02B27/62 OR G02B3/0037 OR G02B3/0056 OR G02B3/0068 OR G02B3/02 OR G02B3/04 OR G02B3/08 OR G02B30/29 OR G02B30/31 OR G02B5/0252 OR G02B5/045 OR G02B5/0841 OR G02B5/10 OR G02B5/12 OR G02B5/122 OR G02B5/128 OR G02B5/136 OR G02B5/1861 OR G02B5/28 OR G02B6/0085 OR G02B6/2706 OR G02B6/276 OR G02B6/29311 OR G02B6/3512 OR G02B6/3522 OR G02B6/4214 OR G02B7/10 OR G02B7/287).cpc.)					
L77	580	L31 AND ((G02C11/10 OR G02C11/06 OR G02C7/04 OR G02C5/143 OR G02C5/146 OR G02C11/00 OR G02C5/14 OR G02C7/101 OR G02C5/001 OR G02C3/003 OR G02C2200/08 OR G02C7/083 OR G02C2200/02 OR G02C7/12 OR G02C5/16 OR G02C7/16 OR G02C7/086 OR G02C9/04 OR G02C2200/10 OR G02C5/22 OR	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		G02C11/04 OR G02C9/00 OR G02C7/06 OR G02C7/081 OR G02C5/02 OR G02C5/12 OR G02C7/104 OR G02C7/105 OR G02C7/08 OR G02C5/006 OR G02C7/00 OR G02C5/20 OR G02C5/045 OR G02C7/021 OR G02C2202/06 OR G02C3/006 OR G02C5/08 OR G02C5/2209 OR G02C5/2272 OR G02C9/02 OR G02C1/10 OR G02C2200/26 OR G02C3/04 OR G02C5/2236 OR G02C5/2254 OR G02C5/2263 OR G02C7/02 OR G02C11/08 OR G02C13/005 OR G02C2202/10 OR G02C5/003 OR G02C5/126 OR G02C5/2227 OR G02C5/2281 OR G02C7/022 OR G02C7/085).cpc.)					
L78	785	L32 AND ((G02B27/017 OR G02B2027/0178 OR G02B2027/014 OR G02B27/0172 OR G02B2027/0138 OR G02B27/0093 OR G02B2027/0187 OR G02B2027/0118 OR G02B27/0176 OR G02B27/0101 OR G02B2027/0134 OR G02B2027/0127 OR G02B6/34 OR G02B2027/0123 OR G02B2027/0147 OR G02B5/30 OR G02B27/0081 OR G02B27/0179 OR G02B2027/0185 OR G02B27/4205 OR	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		G02B6/005 OR G02B2027/0105 OR G02B27/01 OR G02B27/42 OR G02B27/4227 OR G02B6/10 OR G02B2027/0174 OR G02B6/0038 OR G02B6/0076 OR G02B7/008 OR G02B27/283 OR G02B2027/0114 OR G02B2027/012 OR G02B2027/0125 OR G02B2027/0132 OR G02B27/0018 OR G02B27/1086 OR G02B27/30 OR G02B5/1823 OR G02B5/1857 OR G02B5/1866 OR G02B5/1871 OR G02B5/3025 OR G02B6/0016 OR G02B6/0023 OR G02B6/0035 OR G02B6/0036 OR G02B6/29325 OR G02B2027/0156 OR G02B2027/0141 OR G02B27/0103 OR G02B26/001 OR G02B7/12 OR G02B30/52 OR G02B1/002 OR G02B2027/0161 OR G02B21/06 OR G02B21/365 OR G02B26/00 OR G02B27/02 OR G02B27/10 OR G02B27/286 OR G02B30/34 OR G02B30/56 OR G02B5/08 OR G02B5/1809 OR G02B5/1847 OR G02B5/3083 OR G02B6/0026 OR G02B6/122 OR G02B6/1221 OR G02B6/124 OR G02B7/04 OR G02B2027/0109 OR G02B2027/0136 OR G02B26/101 OR G02B6/0018 OR G02B6/002 OR					

		G02B19/009 OR G02B2027/0116 OR G02B2027/013 OR G02B2027/015 OR G02B2027/0152 OR G02B2027/0163 OR G02B2027/0181 OR G02B26/105 OR G02B27/0075 OR G02B27/0149 OR G02B6/0053 OR G02B2027/011 OR G02B2027/0112 OR G02B2027/0154 OR G02B2027/0194 OR G02B27/00 OR G02B27/141 OR G02B5/04 OR G02B5/18 OR G02B6/00 OR G02B6/12009 OR G02B2027/0159 OR G02B2207/113 OR G02B2207/115 OR G02B26/0816 OR G02B26/103 OR G02B3/005 OR G02B30/35 OR G02B30/36 OR G02B5/23 OR G02B5/3058 OR G02B6/0028 OR G02B6/003 OR G02B6/0045 OR G02B6/0055 OR G02B6/0056 OR G02B6/006 OR G02B6/0065 OR G02B6/0068 OR G02B6/0088 OR G02B6/12019 OR G02B1/041 OR G02B19/0047 OR G02B2003/0093 OR G02B2027/019 OR G02B2027/0192 OR G02B21/0012 OR G02B27/0025 OR G02B27/0189 OR G02B27/0961 OR G02B27/0972 OR G02B3/00 OR G02B3/0068 OR G02B3/08 OR G02B3/14 OR G02B30/26 OR G02B5/045 OR G02B5/1842 OR					

		G02B5/28 OR G02B6/32 OR G02B6/3512 OR G02B7/287).cpc.)					
L79	397	L32 AND ((G02C11/10 OR G02C11/06 OR G02C5/143 OR G02C5/14 OR G02C7/101 OR G02C3/003 OR G02C7/04 OR G02C5/001 OR G02C5/146 OR G02C7/083 OR G02C2200/08 OR G02C11/00 OR G02C5/16 OR G02C2200/10 OR G02C11/04 OR G02C7/12 OR G02C7/081 OR G02C7/06 OR G02C7/104 OR G02C7/16 OR G02C7/08 OR G02C2200/02 OR G02C7/00 OR G02C7/105 OR G02C9/00 OR G02C7/086 OR G02C9/04 OR G02C5/20 OR G02C7/021 OR G02C2202/06 OR G02C5/006 OR G02C5/045 OR G02C5/08 OR G02C5/2209 OR G02C5/2272 OR G02C1/10 OR G02C5/12 OR G02C5/22 OR G02C5/2236 OR G02C5/2254 OR G02C7/02 OR G02C11/08 OR G02C13/005 OR G02C5/02 OR G02C5/2227 OR G02C5/2263 OR G02C5/2281 OR G02C7/022 OR G02C9/02).cpc.)	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L80	152	L34 AND ((G02B2027/0178 OR G02B27/017 OR G02B2027/014 OR	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		G02B27/0172 OR G02B27/0093 OR G02B2027/0138 OR G02B2027/0187 OR G02B6/34 OR G02B27/0176 OR G02B2027/0118 OR G02B2027/0127 OR G02B27/0101 OR G02B27/0081 OR G02B27/4205 OR G02B2027/0105 OR G02B2027/0185 OR G02B27/0179 OR G02B27/42 OR G02B27/4227 OR G02B6/10 OR G02B6/0038 OR G02B6/005 OR G02B6/0076 OR G02B7/008 OR G02B27/283 OR G02B2027/0114 OR G02B2027/012 OR G02B2027/0125 OR G02B2027/0174 OR G02B27/0018 OR G02B27/1086 OR G02B27/30 OR G02B5/1823 OR G02B5/1857 OR G02B5/1866 OR G02B5/1871 OR G02B5/3025 OR G02B6/0016 OR G02B6/0023 OR G02B6/0035 OR G02B6/0036 OR G02B6/29325 OR G02B5/30 OR G02B2027/0132 OR G02B2027/0134 OR G02B2027/0156 OR G02B2027/0123 OR G02B21/06 OR G02B21/365 OR G02B27/286 OR G02B30/52 OR G02B27/01 OR G02B6/0018 OR G02B6/002 OR G02B2027/0147 OR G02B2027/015 OR G02B27/0149 OR G02B6/0053 OR G02B2027/0112 OR G02B2027/0141 OR G02B2027/0152 OR					

		G02B2027/0161 OR G02B5/18 OR G02B6/00 OR G02B6/12009 OR G02B7/12 OR G02B2027/011 OR G02B2027/0154 OR G02B2207/113 OR G02B2207/115 OR G02B27/0075 OR G02B5/23 OR G02B5/3058 OR G02B6/0028 OR G02B6/003 OR G02B6/0045 OR G02B6/0056 OR G02B6/006 OR G02B6/0065 OR G02B6/0068 OR G02B6/0088 OR G02B6/12019 OR G02B2027/013 OR G02B2027/0163 OR G02B2027/0181 OR G02B2027/019 OR G02B27/0189 OR G02B30/26 OR G02B5/04 OR G02B5/1842 OR G02B5/28 OR G02B6/32 OR G02B6/3512).cpc.)					
L81	151	L34 AND ((G02C11/10 OR G02C11/06 OR G02C5/143 OR G02C5/14 OR G02C3/003 OR G02C5/001 OR G02C5/146 OR G02C2200/08 OR G02C5/16 OR G02C11/00 OR G02C11/04 OR G02C7/08 OR G02C7/081 OR G02C7/086 OR G02C9/00 OR G02C9/04 OR G02C2200/02 OR G02C2202/06 OR G02C5/045 OR G02C5/2209 OR G02C7/083 OR G02C7/101 OR G02C5/12 OR G02C13/005 OR G02C5/22 OR	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		G02C5/2254 OR G02C5/2281 OR G02C7/022 OR G02C7/04 OR G02C9/02).cpc.)					
L82	108	L35 AND ((G02B2027/0178 OR G02B27/017 OR G02B27/0093 OR G02B2027/014 OR G02B27/0172 OR G02B2027/0138 OR G02B2027/0187 OR G02B2027/0118 OR G02B5/30 OR G02B27/0176 OR G02B21/06 OR G02B21/365 OR G02B27/286 OR G02B2027/0134 OR G02B2027/0132 OR G02B2027/0147 OR G02B6/0053 OR G02B2027/0112 OR G02B2027/0127 OR G02B27/0149 OR G02B5/18 OR G02B6/12009 OR G02B2027/011 OR G02B2027/0123 OR G02B2027/0141 OR G02B2027/0156 OR G02B2207/113 OR G02B2207/115 OR G02B27/0075 OR G02B27/01 OR G02B27/0101 OR G02B5/23 OR G02B5/3058 OR G02B6/0018 OR G02B6/002 OR G02B6/0028 OR G02B6/003 OR G02B6/0038 OR G02B6/0045 OR G02B6/005 OR G02B6/0056 OR G02B6/006 OR G02B6/0065 OR G02B6/0068 OR G02B6/0076 OR G02B6/0088 OR G02B6/12019 OR G02B7/008 OR G02B27/0081 OR G02B5/04 OR G02B5/1842 OR	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		G02B5/28).cpc.)					
L83	95	L35 AND ((G02C11/10 OR G02C11/06 OR G02C5/143 OR G02C5/14 OR G02C3/003 OR G02C5/146 OR G02C5/001 OR G02C2200/08 OR G02C11/04 OR G02C11/00 OR G02C7/081 OR G02C7/08 OR G02C7/086 OR G02C9/00 OR G02C2202/06 OR G02C5/2209 OR G02C7/083 OR G02C7/101 OR G02C9/04 OR G02C5/12 OR G02C5/22 OR G02C5/2254 OR G02C5/2281).cpc.)	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L84	10	L37 AND ((G02B2027/0178 OR G02B27/017 OR G02B27/0093 OR G02B2027/014 OR G02B27/0172 OR G02B2027/0138 OR G02B2027/0187 OR G02B2027/0118 OR G02B5/30 OR G02B27/0176 OR G02B2027/0134 OR G02B2027/0147 OR G02B2027/0112 OR G02B2027/0127 OR G02B2027/0132 OR G02B27/0149 OR G02B5/18 OR G02B6/12009 OR G02B2027/011 OR G02B2027/0123 OR G02B2207/113 OR G02B2207/115 OR G02B5/23 OR G02B5/3058 OR G02B6/0038 OR G02B6/0045 OR G02B6/0053 OR G02B6/0056 OR G02B6/12019 OR G02B7/008 OR G02B5/04 OR G02B5/1842 OR	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM

		G02B5/28).cpc.)					
L85	7	L37 AND ((G02C11/10 OR G02C11/06 OR G02C5/146 OR G02C5/143 OR G02C2200/08 OR G02C5/001 OR G02C11/04 OR G02C5/14 OR G02C7/081 OR G02C7/08 OR G02C7/086 OR G02C9/00 OR G02C2202/06 OR G02C5/2209 OR G02C7/083 OR G02C7/101).cpc.)	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L86	6	L37 AND ((351/158 OR 351/121 OR 351/41 OR 351/116 OR 351/119 OR 359/630 OR 359/13 OR 359/554 OR 359/567 OR 381/327 OR 381/381).ccls.)	(US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT)	OR	ON	ON	2024/02/05 01:07 PM
L87	1	"25484714".fmid.	(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; JPO)	OR	ON	ON	2024/02/05 02:24 PM
L88	6	"34435134".fmid.	(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; JPO)	OR	ON	ON	2024/02/05 02:26 PM
L89	22	"27496316".fmid.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/02/05 02:27 PM

			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; JPO)				
L90	34	(Artificial Intelligence) More like doc: US-11243416-B2 Text: (US-10061144-B2 OR US-9547184-B2 OR US-8905542-B2 OR US-11204512-B2 OR US-20220011603-A1 OR US-8500271-B2 OR US-20050264752-A1 OR US-11536988-B2 OR US-9690121-B2 OR US-7922321-B2 OR US-11086147-B2 OR US-8109629-B2 OR US-20180335650-A1 OR US-11762224-B2 OR US-20110187990-A1 OR US-20200218094-A1 OR US-20170090219-A1 OR US-20150085245-A1 OR US-20230017635-A1 OR US-20130308089-A1).did.	(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	2024/02/27 12:02 PM
L91	29	(Artificial Intelligence) More like doc: US-6349001-B1 Text: (CA-2307877-C OR EP-1027627-A1 OR WO-9923524-A1 OR EP-1027627-A4 OR US-6091546-A OR JP-2001522063-A OR EP-1027627-B1 OR WO-9923524-A8 OR CA-2307877-A1 OR US-6204974-B1 OR US-6384982-B1 OR EP-1169663-A1 OR US-6356392-B1 OR WO-0055676-A1 OR EP-1169663-A4 OR JP-2002539498-A OR EP-	(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	2024/02/27 12:02 PM

		1027626-A1 OR CA-2307869-C OR EP-1547434-B8 OR EP-1547434-A2).did.					
L92	33	(Artificial Intelligence) More like doc: US-7278734-B2 Text: (US-20050201585-A1 OR US-8020989-B2 OR US-20080089545-A1 OR AU-2005306412-B2 OR EP-1828833-B1 OR WO-2006055884-A2 OR EP-1828833-A2 OR AU-2005306412-A2 OR AU-2005306412-A1 OR CA-2932965-C OR CA-2932965-A1 OR AU-2013263854-A1 OR EP-1547434-A2 OR AU-2003254210-A1 OR CA-2494661-A1 OR US-20060203183-A1 OR US-20040160573-A1 OR US-7150526-B2 OR AU-2013263854-B2 OR CN-1720763-A).did.	(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	2024/02/27 12:02 PM
L93	28	(Artificial Intelligence) More like doc: US-6911172-B2 Text: (US-20040000733-A1 OR US-20040239874-A1 OR US-20020159023-A1 OR EP-1485748-A2 OR WO-02089496-A2 OR US-9244292-B2 OR US-6929365-B2 OR US-20040029582-A1 OR CA-2445952-A1 OR US-20050239502-A1 OR US-7331666-B2 OR US-6769767-B2 OR US-20160109729-A1 OR JP-2005502902-A OR JP-4246500-B2 OR TW-I252005-B OR EP-1485748-B1 OR WO-02089496-A3 OR TH-61710-A OR US-20200064654-A1).did.	(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	2024/02/27 12:03 PM
L94	7432	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/02/27 04:12 PM

		AND circuit AND speaker$2 AND (battery WITH (charge$4 OR recharge$4) WITH external)	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)				
L95	60	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND speaker$2 AND (battery WITH (charge$4 OR recharge$4) WITH external WITH cord)	(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	2024/02/27 04:12 PM
L96	6529	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND speaker$2 AND (battery near10 (charge$4 OR recharge$4) near20 external)	(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	2024/02/27 04:14 PM
L97	6529	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND speaker$2 AND ((battery near10 (charge$4 OR recharge$4)) near20 external)	(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,	OR	ON	ON	2024/02/27 04:14 PM

			VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L115	3482	(351/158,121).ccls.	(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	2024/05/14 12:00 PM
L116	2573	(351/41,111).ccls.	(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	2024/05/14 12:00 PM
L117	1000	(351/123,124).ccls.	(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	2024/05/14 12:01 PM
L118	3412	(359/13,629).ccls.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2024/05/14 12:01 PM

			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)				
L119	5523	(359/630-633).ccls.	(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	2024/05/14 12:01 PM
L120	3403	(381/381,327,328).ccls.	(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	2024/05/14 12:01 PM
L121	4068	(381/380,370,381).ccls.	(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;	OR	ON	ON	2024/05/14 12:01 PM

			JPO; DERWENT; IBM_TDB)				
L131	806	g02c1/00.cpc.	(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	2024/05/14 12:08 PM
L132	17282	g02c11/10.cpc.	(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	2024/05/14 12:08 PM
L133	3090	g02c11/06.cpc.	(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	2024/05/14 12:09 PM
L134	3174	g02c5/001.cpc.	(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,	OR	ON	ON	2024/05/14 12:09 PM

			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)				
L135	4012	g02c5/02.cpc.	(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	2024/05/14 12:09 PM
L136	4853	g02c5/14.cpc.	(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	2024/05/14 12:09 PM
L137	5010	g02c5/146.cpc.	(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;	OR	ON	ON	2024/05/14 12:10 PM

			IBM_TDB)				
L138	5174	g02c5/22.cpc.	(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	2024/05/14 12:10 PM
L139	35428	g02b27/01.cpc.	(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	2024/05/14 12:10 PM
L140	71042	g02b27/017.cpc.	(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	2024/05/14 12:10 PM
L141	27914	g02b27/0176.cpc.	(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	2024/05/14 12:10 PM

			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)				
L184	4	"27569502".fmid.	(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; JPO)	OR	ON	ON	2024/05/14 01:18 PM
L2686	0	98 AND (button near5 piezo$6)	(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))	OR	ON	ON	2024/05/15 09:02 AM
L2687	7	98 AND ((button OR switch) near5 piezo$6)	(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))	OR	ON	ON	2024/05/15 09:02 AM
L2689	11	"49715056".fmid.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2024/05/15 09:04 AM

			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; JPO)				
L2691	147	142 AND ((button OR switch) near5 piezo$6)	(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))	OR	ON	ON	2024/05/15 09:08 AM
L2692	9	122 AND ((button OR switch) near5 piezo$6)	(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))	OR	ON	ON	2024/05/15 09:11 AM
L2693	174	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND ((button OR switch) near5 piezo$6)	(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	2024/05/15 09:19 AM
L2695	174	(eyewear$4 OR glasses$4 OR spetacl$4 OR	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY,	OR	ON	ON	2024/05/15 09:22 AM

		eyegalss$4) AND frame AND circuit AND control$4 AND batter$4 AND connect$4 AND (audio OR speak$4) AND ((button OR switch) near5 piezo$6)	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)				
L2696	195	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND batter$4 AND ((button OR switch) near5 piezo$6)	(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	2024/05/15 09:22 AM
L2697	280	(eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND control$4 AND batter$4 AND ((button OR switch) near5 piezo$6)	(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	2024/05/15 09:23 AM
L2699	3	"34225259".fmid.	(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,	OR	ON	ON	2024/05/15 09:27 AM

			TH, TN, TR, TW, UA, VN); FPRS; JPO)				
L2784	50	(Artificial Intelligence) Similar to: 18/597,874 with 0 CPC Selections and 0 Text Selections Text: (US-20170131575-A1 OR US-20210364827-A9 OR US-20190187492-A1 OR US-20170146829-A1 OR US-20230273464-A1 OR US-20240036361-A1 OR US-11921355-B2 OR US-20230359266-A1 OR US-20130201440-A1 OR US-20110187990-A1 OR US-9690121-B2 OR US-8500271-B2 OR US-20120133885-A1 OR US-20150253590-A1 OR US-20170090219-A1 OR US-8905542-B2 OR US-20180335650-A1 OR US-20210364828-A1 OR US-11243416-B2 OR US-10061144-B2 OR US-20130308089-A1 OR US-20150085245-A1 OR US-20220357599-A1 OR US-20230017635-A1 OR US-20070046887-A1 OR US-7922321-B2 OR US-20230408850-A1 OR US-20200012127-A1 OR US-9547184-B2 OR US-7581833-B2 OR US-8465151-B2 OR US-11829518-B1 OR US-11733549-B2 OR US-20220260859-A1 OR US-9033493-B2 OR US-11086147-B2 OR US-8109629-B2 OR US-10330956-B2 OR US-20050264752-A1 OR US-11762224-B2 OR US-11513371-B2 OR US-20240094800-A1 OR EP-3134825-B1	(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))	OR	ON	ON	2024/09/04 01:05 PM

		OR US-20050078274-A1 OR US-20190278110-A1 OR US-20200218094-A1 OR US-20190285913-A1 OR US-20220011603-A1 OR US-11536988-B2 OR US-20230236444-A1).did.					
L2785	44	(Artificial Intelligence) Similar to: 18/597,874 with 0 CPC Selections and 3 Text Selections Text: (US-11921355-B2 OR US-20240036361-A1 OR US-20230273464-A1 OR US-20210314698-A1 OR JP-20220108194-A5 OR US-20180239413-A1 OR US-20170045928-A1 OR CN-108472686-B OR EP-3566468-B1 OR US-20170180863-A1 OR US-10146262-B1 OR US-10495885-B2 OR US-11829518-B1 OR US-20190064750-A1 OR US-20170322416-A1 OR EP-3345142-A1 OR WO-2017040397-A1 OR US-20170131575-A1 OR CA-2997538-A1 OR EP-3320832-A1 OR US-20160282628-A1 OR US-20180132031-A1 OR WO-2023194827-A1 OR US-20180113524-A1 OR US-20220361787-A1 OR AU-2016316932-B2 OR US-20180253159-A1 OR US-20180113504-A1 OR US-20180113590-A1 OR US-20220313089-A1 OR EP-3242153-A1 OR US-20210096372-A1 OR US-9690121-B2 OR US-10338394-B2 OR EP-3998946-A1 OR	(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))	OR	ON	ON	2024/09/04 01:05 PM

		WO-2021016094-A1 OR US-9977483-B2 OR US-20210364827-A9 OR US-20190187492-A1 OR EP-3625976-A1 OR WO-2018210974-A1 OR EP-2929405-A2 OR WO-2014089074-A2 OR US-10694299-B2 OR US-11778428-B2 OR US-20230127100-A1 OR JP-2020184692-A OR US-11144125-B2 OR US-20180185665-A1 OR WO-2021224497-A1).did.					
L2786	49	(Artificial Intelligence) Similar to: 18/597,874 with 2 CPC Selections and 3 Text Selections Text: (US-20240036361-A1 OR US-11921355-B2 OR US-20230273464-A1 OR US-20210314698-A1 OR US-11829518-B1 OR US-20170131575-A1 OR US-9690121-B2 OR US-20190187492-A1 OR US-20210364827-A9 OR US-20230359266-A1 OR US-20170146829-A1 OR US-20230412967-A1 OR US-20220167077-A1 OR WO-2022109190-A1 OR US-11653140-B2 OR US-20220011603-A1 OR JP-2023538681-A OR WO-2021222214-A1 OR EP-4144099-A1 OR US-20150253590-A1 OR US-10330956-B2 OR US-20210341762-A1 OR US-11086147-B2 OR US-11762224-B2 OR US-9033493-B2 OR US-20210364828-A1 OR US-20220260859-A1 OR US-8109629-B2 OR US-11733549-B2 OR US-8465151-B2 OR	(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))	OR	ON	ON	2024/09/04 01:05 PM

		US-20230408850-A1 OR US-11500227-B2 OR US-20120133885-A1 OR US-20150085245-A1 OR US-20130201440-A1 OR US-20130308089-A1 OR US-20110187990-A1 OR US-20170090219-A1 OR US-20180335650-A1 OR US-20050264752-A1 OR US-7581833-B2 OR US-20070046887-A1 OR CN-108472686-B OR US-7922321-B2 OR EP-3242153-A1 OR US-20190364352-A1 OR US-10531173-B2 OR US-10338394-B2 OR EP-3320832-A1 OR US-11204512-B2).did.					
L2787	49	(Artificial Intelligence) Similar to: 18/597,874 with 2 CPC Selections and 3 Text Selections Text: (US-20240036361-A1 OR US-11921355-B2 OR US-20230273464-A1 OR US-20170131575-A1 OR US-9690121-B2 OR US-20210364827-A9 OR US-20190187492-A1 OR US-20170146829-A1 OR US-11829518-B1 OR US-20210314698-A1 OR US-20230359266-A1 OR US-20150253590-A1 OR US-20160370606-A1 OR CN-113330355-A OR US-8465151-B2 OR US-20220260859-A1 OR US-11733549-B2 OR US-10025119-B2 OR US-10330956-B2 OR US-20120133885-A1 OR US-20180143451-A1 OR US-11086147-B2 OR US-20230408850-A1 OR US-9033493-B2 OR	(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))	OR	ON	ON	2024/09/04 01:05 PM

		US-20130201440-A1 OR US-20210364828-A1 OR US-11762224-B2 OR US-8109629-B2 OR US-9897822-B2 OR US-20150346511-A1 OR US-20070046887-A1 OR US-7581833-B2 OR US-9158116-B1 OR US-20150309317-A1 OR WO-2016205601-A1 OR CN-113454521-A OR US-9423842-B2 OR WO-2021222214-A1 OR EP-4144099-A1 OR US-20210341762-A1 OR US-20230412967-A1 OR US-11500227-B2 OR US-20160085278-A1 OR US-20200249733-A1 OR US-20220167077-A1 OR CN-114222941-A OR WO-2022109190-A1 OR US-20170031395-A1 OR US-20150309534-A1 OR WO-2015031107-A1).did.					
L2788	48	(Artificial Intelligence) Similar to: 18/597,874 with 4 CPC Selections and 3 Text Selections Text: (US-20240036361-A1 OR US-11921355-B2 OR US-20230273464-A1 OR US-20170131575-A1 OR US-9690121-B2 OR US-20190187492-A1 OR US-20210364827-A9 OR US-20170146829-A1 OR US-11829518-B1 OR US-20210314698-A1 OR US-20230359266-A1 OR US-20150253590-A1 OR US-10330956-B2 OR US-11086147-B2 OR US-11762224-B2 OR US-9033493-B2 OR US-20220260859-A1 OR US-11733549-B2	(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))	OR	ON	ON	2024/09/04 01:05 PM

		OR US-8109629-B2 OR US-20210364828-A1 OR US-20230408850-A1 OR US-8465151-B2 OR US-20120133885-A1 OR US-20130201440-A1 OR US-7581833-B2 OR US-20070046887-A1 OR US-20230412967-A1 OR US-20220167077-A1 OR WO-2022109190-A1 OR US-11653140-B2 OR WO-2021222214-A1 OR US-20160370606-A1 OR EP-4144099-A1 OR US-20180143451-A1 OR CN-113330355-A OR US-20220011603-A1 OR US-9897822-B2 OR US-10025119-B2 OR US-20210341762-A1 OR US-9158116-B1 OR US-20150346511-A1 OR DE-202022101915-U1 OR US-20150309317-A1 OR US-11500227-B2 OR US-20240094800-A1 OR US-20110187990-A1 OR US-7806525-B2 OR WO-2021254359-A1 OR US-11668958-B2 OR JP-2023538681-A).did.					
L2789	47	(Artificial Intelligence) Similar to: 18/597,874 with 6 CPC Selections and 3 Text Selections Text: (US-20240036361-A1 OR US-11921355-B2 OR US-20170131575-A1 OR US-20230273464-A1 OR US-9690121-B2 OR US-20210364827-A9 OR US-20190187492-A1 OR US-20170146829-A1 OR US-20150253590-A1 OR US-10330956-B2 OR US-11762224-B2	(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))	OR	ON	ON	2024/09/04 01:05 PM

		OR US-11086147-B2 OR US-8109629-B2 OR US-20210364828-A1 OR US-9033493-B2 OR US-20120133885-A1 OR US-20230408850-A1 OR US-11733549-B2 OR US-20220260859-A1 OR US-20130201440-A1 OR US-8465151-B2 OR CN-113330355-A OR US-11829518-B1 OR US-7581833-B2 OR US-20070046887-A1 OR US-20210314698-A1 OR US-20230359266-A1 OR WO-2021222214-A1 OR EP-4144099-A1 OR DE-202022101915-U1 OR US-20210341762-A1 OR US-20190204617-A1 OR US-11500227-B2 OR FR-3126050-A3 OR ES-1289195-U OR CA-3149165-A1 OR US-11849273-B2 OR GB-2609686-A OR NL-2031025-A OR NL-2031025-B1 OR US-20230040338-A1 OR CH-718869-A2 OR US-20210191159-A1 OR JP-3237752-U OR US-11668958-B2 OR KR-20210080253-A OR AT-525342-B1 OR US-20220113562-A1 OR DE-102020102281-A1 OR CA-3103299-A1).did.					
L2862	42	(Artificial Intelligence) More like doc: US-20030045283-A1 Text: (WO-2023130105-A1 OR DK-2153693-T3 OR AU-2008261403-A1 OR AU-2008261403-B2 OR CA-2689257-A1 OR EP-2153693-A1 OR DE-102006049213-B4 OR US-8300864-B2 OR US-20090296967-A1 OR US-20080123865-	(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;	OR	ON	ON	2024/09/04 02:03 PM

		A1 OR EP-1643802-A2 OR CN-101682824-A OR DE-102004047759-B3 OR EP-1643801-A2 OR AU-2009231433-A1 OR EP-2107825-A1 OR EP-1915031-A2 OR DE-102006049213-A1 OR CN-101175342-B OR CN-101175342-A).did.	JPO; DERWENT; IBM_TDB)				
L2863	39	(Artificial Intelligence) More like doc: US-20050090295-A1 Text: (WO-2005036922-A1 OR EP-1673960-A4 OR EP-1673960-A1 OR CA-2542622-A1 OR EP-1949370-A1 OR WO-2007019702-A1 OR US-20070041589-A1 OR CA-2619268-A1 OR EP-1251715-B1 OR EP-1251715-B2 OR US-8121323-B2 OR US-7647077-B2 OR US-20030012392-A1 OR EP-1251715-A2 OR US-20070127752-A1 OR US-7181034-B2 OR CA-2382362-C OR US-20110136537-A1 OR CA-2420989-C OR WO-2010006707-A1).did.	(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	2024/09/04 02:03 PM
L2864	22	(Artificial Intelligence) More like doc: US-20170289323-A1 Text: (US-8140658-B1 OR US-10757000-B2 OR US-20100201516-A1 OR US-20100148940-A1 OR US-20110035491-A1 OR US-20150046582-A1 OR US-8836503-B2 OR US-9628365-B2 OR US-7844687-B1 OR US-7797367-B1 OR US-8832244-B2 OR US-8812654-B2 OR US-7484008-B1 OR US-7891004-B1 OR US-8079118-B2 OR US-20110029644-A1	(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	2024/09/04 02:03 PM

		OR US-7904569-B1 OR US-8601595-B2 OR US-20120079149-A1 OR US-6859831-B1).did.					
L2865	39	(Artificial Intelligence) More like doc: JP-2005167902-A Text: (JP-2007318476-A OR JP-4887907-B2 OR JP-2009157290-A OR US-8174569-B2 OR JP-2004120154-A OR US-20070291966-A1 OR US-20030090439-A1 OR WO-03023756-A1 OR EP-1433160-A1 OR JP-2006209144-A OR WO-2018186062-A1 OR US-20200053449-A1 OR JP-2002539498-A OR US-20120268433-A1 OR US-6356392-B1 OR US-6204974-B1 OR JP-4411547-B2 OR EP-1169663-A4 OR WO-0055676-A1 OR EP-1169663-A1).did.	(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	2024/09/04 02:03 PM
L2901	50	(Artificial Intelligence) Similar to: 18/597,874 with 0 CPC Selections and 7 Text Selections Text: (US-12044901-B2 OR US-20240036361-A1 OR US-12140819-B1 OR US-20230273464-A1 OR US-20170131575-A1 OR DE-102013222202-A1 OR US-20190187492-A1 OR US-20210364827-A9 OR US-12078870-B2 OR US-20170146829-A1 OR US-9690121-B2 OR US-20220011603-A1 OR US-20240019718-A1 OR US-20200092663-A1 OR US-10575106-B1 OR US-20190033621-A1 OR CN-110024416-B OR US-3665121-A 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, 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))	OR	ON	ON	2024/12/13 05:08 PM

		WO-2011083425-A2 OR US-20200081247-A1 OR US-20220099966-A1 OR US-20100177918-A1 OR US-20140003644-A1 OR US-10045133-B2 OR CN-213602833-U OR US-7729774-B1 OR US-8554350-B2 OR US-3883701-A OR CN-102804813-A OR EP-3629600-B1 OR WO-2007142520-A1 OR EP-4387275-A2 OR US-20230398354-A1 OR CN-212381404-U OR US-20110170722-A1 OR US-5553152-A OR DK-2412174-T3 OR CA-2537165-C OR EP-2408221-B1 OR EP-3439329-B1 OR US-5048090-A OR US-11638109-B2 OR US-11700495-B2 OR US-20230082717-A1 OR US-10979831-B2 OR US-20200367001-A1 OR US-20210168543-A1 OR US-11223918-B2 OR US-10897678-B2 OR US-20210099811-A1).did.					
L2902	50	(Artificial Intelligence) Similar to: 18/597,874 with 2 CPC Selections and 7 Text Selections Text: (US-12044901-B2 OR US-20240036361-A1 OR US-20230273464-A1 OR US-12140819-B1 OR US-20170131575-A1 OR US-20190187492-A1 OR US-20210364827-A9 OR US-12078870-B2 OR US-20170146829-A1 OR US-9690121-B2 OR DE-102013222202-A1 OR US-20220011603-A1 OR US-20240019718-A1 OR US-20190033621-A1	(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))	OR	ON	ON	2024/12/13 05:09 PM

		OR CN-212381404-U OR US-9033493-B2 OR US-20090296044-A1 OR US-11474375-B1 OR US-20150253590-A1 OR US-20130201440-A1 OR US-8465151-B2 OR US-20100309426-A1 OR US-20120133885-A1 OR US-10330956-B2 OR US-8109629-B2 OR US-11733549-B2 OR US-20200092663-A1 OR US-10575106-B1 OR US-11086147-B2 OR US-20230408850-A1 OR US-3665121-A OR US-20070046887-A1 OR US-7581833-B2 OR US-20190033623-A1 OR US-20220260859-A1 OR US-11762224-B2 OR US-20210364828-A1 OR US-20210247625-A1 OR WO-2013188805-A2 OR CN-110024416-B OR EP-2862021-B1 OR US-3883701-A OR WO-2007142520-A1 OR US-20120176579-A1 OR US-20220099966-A1 OR US-20200081247-A1 OR US-9039169-B2 OR US-20100177918-A1 OR JP-2022057677-A OR US-20140003644-A1).did.					
L2903	50	(Artificial Intelligence) Similar to: 18/597,874 with 4 CPC Selections and 7 Text Selections Text: (US-12044901-B2 OR US-20240036361-A1 OR US-20230273464-A1 OR US-12140819-B1 OR US-20170131575-A1 OR US-20190187492-A1 OR US-20210364827-A9 OR US-12078870-B2 OR US-	(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))	OR	ON	ON	2024/12/13 05:10 PM

		20170146829-A1 OR US-9690121-B2 OR US-20220011603-A1 OR US-20240019718-A1 OR US-9033493-B2 OR US-20090296044-A1 OR US-20150253590-A1 OR US-20130201440-A1 OR US-8465151-B2 OR US-20100309426-A1 OR US-20120133885-A1 OR US-10330956-B2 OR US-8109629-B2 OR US-11733549-B2 OR US-11086147-B2 OR US-20230408850-A1 OR US-20070046887-A1 OR US-7581833-B2 OR US-20220260859-A1 OR US-20190033623-A1 OR US-11762224-B2 OR US-20210364828-A1 OR US-11131865-B2 OR US-20210011307-A1 OR DE-102013222202-A1 OR US-20210082011-A1 OR WO-2019181150-A1 OR WO-2024182389-A1 OR US-11867981-B1 OR US-20240288710-A1 OR US-12025855-B2 OR US-20230017635-A1 OR CN-111684340-A OR US-3665121-A OR US-20220357599-A1 OR US-11644693-B2 OR US-20110102734-A1 OR WO-2013188805-A2 OR EP-2862021-B1 OR US-3883701-A OR US-20200012127-A1 OR US-8905542-B2).did.					
L2904	50	(Artificial Intelligence) Similar to: 18/597,874 with 6 CPC Selections and 7 Text Selections Text: (US-12044901-B2 OR US-20240036361-A1 OR US-20230273464-	(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	2024/12/13 05:10 PM

		A1 OR US-12140819-B1 OR US-20170131575-A1 OR US-20190187492-A1 OR US-20210364827-A9 OR US-12078870-B2 OR US-20170146829-A1 OR US-9690121-B2 OR US-9033493-B2 OR US-20150253590-A1 OR US-20130201440-A1 OR US-20120133885-A1 OR US-10330956-B2 OR US-20090296044-A1 OR US-20100309426-A1 OR US-8465151-B2 OR US-11086147-B2 OR US-8109629-B2 OR US-11733549-B2 OR US-20190033623-A1 OR US-20210364828-A1 OR US-11762224-B2 OR US-20220260859-A1 OR US-20230408850-A1 OR US-20220011603-A1 OR US-20070046887-A1 OR US-7581833-B2 OR US-20240019718-A1 OR WO-2024182389-A1 OR US-20210082011-A1 OR US-11867981-B1 OR US-20240288710-A1 OR CN-113009715-A OR KR-20210080253-A OR WO-2013188805-A2 OR EP-2862021-B1 OR CA-3103299-A1 OR US-11131865-B2 OR US-20200233238-A1 OR US-20210011307-A1 OR US-20170108713-A1 OR US-10423011-B2 OR DE-102020102281-A1 OR US-20210191159-A1 OR JP-6475289-B2 OR US-10168551-B2 OR US-20170075141-A1 OR KR-20210110726-A).did.	MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN))				
L2911	15759	115 116 117 118 118 120 121	(US-PGPUB; USPAT; USOCR; FIT (AU, AP,	OR	ON	ON	2024/12/13 05:15 PM

			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)				
L2912	287	2911 AND 54	(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	2024/12/13 05:15 PM
L2913	195	2911 AND 56	(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	2024/12/13 05:15 PM
L2914	102	2911 AND 60	(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,	OR	ON	ON	2024/12/13 05:15 PM

			RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L2915	46	2911 AND 63	(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	2024/12/13 05:15 PM
L2916	7	2911 AND 49	(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	2024/12/13 05:16 PM
L2917	164903	131 132 133 134 135 136 137 138 139 140 141	(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	2024/12/13 05:26 PM
L2925	10784	2917 AND 54	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY,	OR	ON	ON	2024/12/13 05:26 PM

			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)				
L2926	8397	2917 AND 56	(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	2024/12/13 05:26 PM
L2927	3854	2917 AND 60	(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	2024/12/13 05:27 PM
L2928	1548	2917 AND 61	(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,	OR	ON	ON	2024/12/13 05:27 PM

			TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L2929	392	2917 AND 63	(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	2024/12/13 05:27 PM
L2930	99	2917 AND 49	(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	2024/12/13 05:27 PM
L2931	3	2917 AND 52	(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	2024/12/13 05:27 PM
L2932	390	(US-0000347-$ | US-0000733-$ | US-0001827-$ | US-0003803-$ | US-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/12/13 05:39 PM

		0004325-$ | US- 0005069-$ | US- 0005230-$ | US- 0008763-$ | US- 0011603-$ | US- 0012127-$ | US- 0017635-$ | US- 0017997-$ | US- 0018274-$ | US- 0021407-$ | US- 0022690-$ | US- 0023158-$ | US- 0026146-$ | US- 0028309-$ | US- 0029582-$ | US- 0030442-$ | US- 0032449-$ | US- 0033061-$ | US- 0033622-$ | US- 0033623-$ | US- 0033660-$ | US- 0034478-$ | US- 0034542-$ | US- 0035830-$ | US- 0036103-$ | US- 0045283-$ | US- 0045928-$ | US- 0046887-$ | US- 0050668-$ | US- 0050754-$ | US- 0054092-$ | US- 0055888-$ | US- 0057654-$ | US- 0059159-$ | US- 0059212-$ | US- 0059381-$ | US- 0061579-$ | US- 0062046-$ | US- 0062338-$ | US- 0062357-$ | US- 0063378-$ | US- 0063763-$ | US- 0064746-$ | US- 0065257-$ | US- 0067580-$ | US- 0067585-$ | US- 0068057-$ | US- 0068559-$ | US- 0072828-$ | US- 0073375-$ | US- 0074721-$ | US- 0077175-$ | US- 0078274-$ | US- 0079356-$ | US- 0081982-$ | US- 0083591-$ | US- 0084990-$ | US- 0085245-$ | US-	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)				

		0088365-$ | US- 0089545-$ | US- 0089639-$ | US- 0090103-$ | US- 0090219-$ | US- 0090295-$ | US- 0091200-$ | US- 0096078-$ | US- 0098192-$ | US- 0098874-$ | US- 0098877-$ | US- 0100384-$ | US- 0100792-$ | US- 0101178-$ | US- 0101411-$ | US- 0101568-$ | US- 0102734-$ | US- 0104864-$ | US- 0105445-$ | US- 0107822-$ | US- 0109491-$ | US- 0109600-$ | US- 0110368-$ | US- 0114770-$ | US- 0117121-$ | US- 0122208-$ | US- 0128737-$ | US- 0131575-$ | US- 0132382-$ | US- 0132913-$ | US- 0133885-$ | US- 0136414-$ | US- 0140899-$ | US- 0141233-$ | US- 0143519-$ | US- 0144854-$ | US- 0146097-$ | US- 0146829-$ | US- 0147215-$ | US- 0150986-$ | US- 0151175-$ | US- 0151179-$ | US- 0156012-$ | US- 0156128-$ | US- 0157649-$ | US- 0158506-$ | US- 0159023-$ | US- 0160571-$ | US- 0160572-$ | US- 0160573-$ | US- 0164122-$ | US- 0172691-$ | US- 0176580-$ | US- 0176902-$ | US- 0178743-$ | US- 0186330-$ | US- 0187492-$ | US- 0187990-$ | US-					

		0189548-$ | US- 0197002-$ | US- 0197961-$ | US- 0198293-$ | US- 0200927-$ | US- 0201440-$ | US- 0201585-$ | US- 0208531-$ | US- 0211574-$ | US- 0211921-$ | US- 0213026-$ | US- 0214630-$ | US- 0218094-$ | US- 0218684-$ | US- 0226838-$ | US- 0226978-$ | US- 0227219-$ | US- 0230596-$ | US- 0230988-$ | US- 0231293-$ | US- 0236444-$ | US- 0238194-$ | US- 0239502-$ | US- 0241976-$ | US- 0245754-$ | US- 0246075-$ | US- 0248238-$ | US- 0248717-$ | US- 0248718-$ | US- 0248719-$ | US- 0251660-$ | US- 0251661-$ | US- 0253590-$ | US- 0260859-$ | US- 0262392-$ | US- 0264752-$ | US- 0268008-$ | US- 0268013-$ | US- 0268017-$ | US- 0270663-$ | US- 0271065-$ | US- 0271116-$ | US- 0271387-$ | US- 0272800-$ | US- 0273365-$ | US- 0273464-$ | US- 0277123-$ | US- 0278110-$ | US- 0278446-$ | US- 0278678-$ | US- 0279584-$ | US- 0283894-$ | US- 0285913-$ | US- 0289323-$ | US- 0291667-$ | US- 0292333-$ | US- 0296044-$ | US- 0296045-$ | US-					

		0302992-$ | US- 0303187-$ | US- 0308089-$ | US- 0309426-$ | US- 0310132-$ | US- 0314079-$ | US- 0318589-$ | US- 0335650-$ | US- 0335792-$ | US- 0338677-$ | US- 0348050-$ | US- 0357599-$ | US- 0359266-$ | US- 0361185-$ | US- 0364827-$ | US- 0364828-$ | US- 0364992-$ | US- 0369402-$).DID.					
L2933	318	(US-0378493-$ | US- 0379425-$ | US- 0387351-$ | US- 0399691-$ | US- 0408850-$ | US- 0415338-$ | US- 1255265-$ | US- 1917745-$ | US- 10042186-$ | US- 10060790-$ | US- 10061144-$ | US- 10310296-$ | US- 10345625-$ | US- 10359311-$ | US- 10515623-$ | US- 10539459-$ | US- 10571715-$ | US- 10624790-$ | US- 10777048-$ | US- 10802582-$ | US- 10964190-$ | US- 11042045-$ | US- 11069358-$ | US- 11086147-$ | US- 11204512-$ | US- 11243416-$ | US- 11326941-$ | US- 11513371-$ | US- 11536988-$ | US- 11630331-$ | US- 11644361-$ | US- 11644693-$ | US- 11721183-$ | US- 11733549-$ | US- 11762224-$ | US- 11803069-$ | US- 11829518-$ | US- 2249572-$ | US- 2638532-$ | US-	(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	2024/12/13 05:39 PM

		2725462-$ | US- 2794085-$ | US- 2818511-$ | US- 2830132-$ | US- 2874230-$ | US- 2904670-$ | US- 20010005230-$ | US- 20010028309-$ | US- 20010050754-$ | US- 20020017997-$ | US- 20020021407-$ | US- 20020081982-$ | US- 20020084990-$ | US- 20020089639-$ | US- 20020090103-$ | US- 20020098877-$ | US- 20020101568-$ | US- 20020109600-$ | US- 20020136414-$ | US- 20020140899-$ | US- 20020146097-$ | US- 20020159023-$ | US- 20020197961-$ | US- 20030018274-$ | US- 20030022690-$ | US- 20030032449-$ | US- 20030045283-$ | US- 20030062046-$ | US- 20030063763-$ | US- 20030064746-$ | US- 20030065257-$ | US- 20030067585-$ | US- 20030068057-$ | US- 20030083591-$ | US- 20030091200-$ | US- 20030214630-$ | US- 20030226978-$ | US- 20030231293-$ | US- 20040000733-$ | US- 20040005069-$ | US- 20040029582-$ | US- 20040059212-$ | US- 20040063378-$ | US- 20040096078-$ | US- 20040100384-$ | US- 20040101178-$ | US- 20040104864-$ | US- 20040114770-$ | US- 20040128737-$ | US- 20040150986-$ | US- 20040156012-$ | US- 20040157649-$ | US- 20040160571-$ | US- 20040160572-$ | US- 20040160573-$ | US- 20040197002-$ | US- 20040227219-$ | US- 20050036103-$ | US-					

		20050067580-$ | US- 20050078274-$ | US- 20050088365-$ | US- 20050090295-$ | US- 20050201585-$ | US- 20050213026-$ | US- 20050230596-$ | US- 20050238194-$ | US- 20050239502-$ | US- 20050248717-$ | US- 20050248718-$ | US- 20050248719-$ | US- 20050264752-$ | US- 20050278446-$ | US- 20060001827-$ | US- 20060003803-$ | US- 20060023158-$ | US- 20060034478-$ | US- 20060107822-$ | US- 20060132382-$ | US- 20060291667-$ | US- 20070030442-$ | US- 20070035830-$ | US- 20070046887-$ | US- 20070055888-$ | US- 20070098192-$ | US- 20070109491-$ | US- 20070186330-$ | US- 20070189548-$ | US- 20070200927-$ | US- 20070208531-$ | US- 20070211574-$ | US- 20070248238-$ | US- 20070270663-$ | US- 20070271065-$ | US- 20070271116-$ | US- 20070271387-$ | US- 20070279584-$ | US- 20080062338-$ | US- 20080068559-$ | US- 20080089545-$ | US- 20080100792-$ | US- 20080144854-$ | US- 20080151175-$ | US- 20080151179-$ | US- 20080158506-$ | US- 20080211921-$ | US- 20080218684-$ | US- 20080262392-$ | US- 20080278678-$ | US- 20090059159-$ | US- 20090059381-$ | US- 20090073375-$ | US- 20090141233-$ | US- 20090147215-$ | US- 20090156128-$ | US- 20090251660-$ | US- 20090251661-$ | US-					

		20090296044-$ | US-20100045928-$ | US-20100061579-$ | US-20100079356-$ | US-20100105445-$ | US-20100110368-$ | US-20100245754-$).DID.					
L2934	342	(US-20100296045-$ | US-20100309426-$ | US-20110102734-$ | US-20110164122-$ | US-20110187990-$ | US-20110241976-$ | US-20110273365-$ | US-20110292333-$ | US-20120033061-$ | US-20120050668-$ | US-20120062357-$ | US-20120101411-$ | US-20120133885-$ | US-20120176580-$ | US-20120283894-$ | US-20130072828-$ | US-20130077175-$ | US-20130143519-$ | US-20130172691-$ | US-20130201440-$ | US-20130308089-$ | US-20140132913-$ | US-20140176902-$ | US-20140198293-$ | US-20140226838-$ | US-20140268008-$ | US-20140268013-$ | US-20140268017-$ | US-20140361185-$ | US-20150085245-$ | US-20150230988-$ | US-20150253590-$ | US-20150277123-$ | US-20150338677-$ | US-20160098874-$ | US-20160246075-$ | US-20160302992-$ | US-20170074721-$ | US-20170090219-$ | US-20170131575-$ | US-20170146829-$ | US-20170289323-$ | US-20170303187-$ | US-20180122208-$ | US-20180314079-$ | US-20180335650-$ | US-20180348050-$ | US-20190004325-$ | US-20190033622-$ | US-20190033623-$ |	(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	2024/12/13 05:39 PM

		US-20190117121-$ | US-20190187492-$ | US-20190272800-$ | US-20190278110-$ | US-20190285913-$ | US-20190310132-$ | US-20190318589-$ | US-20190369402-$ | US-20190378493-$ | US-20190387351-$ | US-20200012127-$ | US-20200218094-$ | US-20200364992-$ | US-20210000347-$ | US-20210026146-$ | US-20210271116-$ | US-20210364827-$ | US-20210364828-$ | US-20210379425-$ | US-20210399691-$ | US-20220008763-$ | US-20220011603-$ | US-20220034542-$ | US-20220054092-$ | US-20220178743-$ | US-20220260859-$ | US-20220335792-$ | US-20220357599-$ | US-20220415338-$ | US-20230017635-$ | US-20230033660-$ | US-20230057654-$ | US-20230236444-$ | US-20230273464-$ | US-20230359266-$ | US-20230408850-$ | US-3060308-$ | US-3104290-$ | US-3119903-$ | US-3597054-$ | US-3710115-$ | US-3858001-$ | US-3883701-$ | US-4165487-$ | US-4254451-$ | US-4283127-$ | US-4322585-$ | US-4348664-$ | US-4389217-$ | US-4526473-$ | US-4535244-$ | US-4608492-$ | US-4683587-$ | US-4751691-$ | US-4757714-$ | US-4773095-$ | US-4806011-$ | US-4822160-$ | US-					

		4822161-$ | US- 4851686-$ | US- 4856086-$ | US- 4859047-$ | US- 4882769-$ | US- 4904078-$ | US- 4942629-$ | US- 4962469-$ | US- 4967268-$ | US- 4985632-$ | US- 5008548-$ | US- 5015086-$ | US- 5020150-$ | US- 5026151-$ | US- 5036311-$ | US- 5050150-$ | US- 5064410-$ | US- 5093576-$ | US- 5106179-$ | US- 5144344-$ | US- 5148023-$ | US- 5151600-$ | US- 5161250-$ | US- 5172256-$ | US- 5264877-$ | US- 5306917-$ | US- 5353378-$ | US- 5359370-$ | US- 5359444-$ | US- 5367345-$ | US- 5379464-$ | US- 5382986-$ | US- 5394005-$ | US- 5452026-$ | US- 5452480-$ | US- 5455637-$ | US- 5455640-$ | US- 5457751-$ | US- 5463428-$ | US- 5475798-$ | US- 5500532-$ | US- 5510961-$ | US- 5513384-$ | US- 5519781-$ | US- 5533130-$ | US- 5541641-$ | US- 5581090-$ | US- 5585871-$ | US- 5589398-$ | US- 5590417-$ | US- 5606743-$ | US- 5608808-$ | US- 5634201-$ | US- 5671035-$ | US- 5686727-$ | US- 5694475-$ | US- 5715323-$ | US- 5737436-$ | US-					

		5777715-$ | US-5790311-$ | US-5818381-$ | US-5819183-$ | US-5835185-$ | US-5900720-$ | US-5903395-$).DID.					
L2935	293	(US-5923398-$ | US-5941837-$ | US-5946071-$ | US-5949516-$ | US-5966746-$ | US-5980037-$ | US-5988812-$ | US-5991085-$ | US-5992996-$ | US-5995592-$ | US-6010216-$ | US-6013919-$ | US-6028627-$ | US-6046455-$ | US-6060321-$ | US-6061580-$ | US-6091546-$ | US-6091832-$ | US-6115177-$ | US-6132681-$ | US-6145983-$ | US-6154552-$ | US-6176576-$ | US-6225897-$ | US-6231181-$ | US-6236969-$ | US-6243578-$ | US-6259367-$ | US-6270466-$ | US-6292213-$ | US-6292685-$ | US-6301050-$ | US-6301367-$ | US-6307526-$ | US-6311155-$ | US-6343858-$ | US-6346929-$ | US-6349001-$ | US-6349422-$ | US-6409335-$ | US-6409338-$ | US-6426719-$ | US-6431705-$ | US-6474816-$ | US-6478736-$ | US-6506142-$ | US-6511175-$ | US-6513532-$ | US-6517203-$ | US-6539336-$ | US-	(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	2024/12/13 05:39 PM

		6542081-$ | US- 6546101-$ | US- 6554763-$ | US- 6582075-$ | US- 6619799-$ | US- 6629076-$ | US- 6678381-$ | US- 6717737-$ | US- 6729726-$ | US- 6736759-$ | US- 6764194-$ | US- 6769767-$ | US- 6771423-$ | US- 6788309-$ | US- 6792401-$ | US- 6816314-$ | US- 6824265-$ | US- 6857741-$ | US- 6871951-$ | US- 6879930-$ | US- 6912386-$ | US- 6929365-$ | US- 6932090-$ | US- 6947219-$ | US- 7004582-$ | US- 7013009-$ | US- 7023594-$ | US- 7030902-$ | US- 7031667-$ | US- 7033025-$ | US- 7059717-$ | US- 7073905-$ | US- 7079876-$ | US- 7123215-$ | US- 7192136-$ | US- 7255437-$ | US- 7265358-$ | US- 7274292-$ | US- 7289767-$ | US- 7312699-$ | US- 7331666-$ | US- 7376238-$ | US- 7380936-$ | US- 7401918-$ | US- 7405801-$ | US- 7429965-$ | US- 7430299-$ | US- 7438409-$ | US- 7438410-$ | US- 7445332-$ | US- 7481531-$ | US- 7500746-$ | US- 7500747-$ | US- 7512414-$ | US- 7517083-$ | US- 7527374-$ | US- 7543934-$ | US- 7581833-$ | US-					

		7621634-$ | US-7648236-$ | US-7677723-$ | US-7760898-$ | US-7771046-$ | US-7787647-$ | US-7792552-$ | US-7801570-$ | US-7806525-$ | US-7922321-$ | US-7976159-$ | US-8009849-$ | US-8109629-$ | US-8142015-$ | US-8174569-$ | US-8175886-$ | US-8251875-$ | US-8337013-$ | US-8430507-$ | US-8434863-$ | US-8465151-$ | US-8485661-$ | US-8500271-$ | US-8571241-$ | US-8582789-$ | US-8620208-$ | US-8626246-$ | US-8770742-$ | US-8849185-$ | US-8905542-$ | US-9033493-$ | US-9183351-$ | US-9244292-$ | US-9369814-$ | US-9400390-$ | US-9405135-$ | US-9488520-$ | US-9547184-$ | US-9690121-$ | US-9922236-$).DID.					
L2936	73	(11/183256 | 11/183269 | 11/546685 | 11/580222 | 12/462286 | 12/803732 | 12/806312 | 13/085402 | 13/291020 | 13/367346 | 13/831419 | 13/831445 | 13/831512 | 13/955336 | 14/557409 | 14/594662 | 14/715501 | 15/375423 | 15/396428 | 15/409723 | 16/049120 | 16/127957 | 16/182969 | 16/424018 | 16/429181 | 16/574254	(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	2024/12/13 05:39 PM

		| 16/821810 | 17/395509 | 17/484080 | 17/737866 | 17/873104 | 17/942347 | 17/949029 | 17/964853 | 18/129660 | 18/144557 | 18/224793 | 19/594662).APP.					
L2937	83	(CA-2487391-$ | CN-88203065-$ | CN-89214222-$ | CN-90208199-$ | DE-10123226-$ | EP-1027626-$ | EP-1134491-$ | EP-2290433-$ | FR-2530039-$ | GB-1467982-$ | JP-58113914-$ | JP-02181722-$ | JP-09017204-$ | JP-10161072-$ | JP-2000039595-$ | JP-2002341059-$ | JP-2005151292-$ | JP-2005167902-$ | JP-58113912-$ | KR-20020044416-$ | TW-484711-$ | WO-0106298-$ | WO-0124576-$ | WO-0206881-$ | WO-03069394-$ | WO-03100368-$ | WO-03100503-$ | WO-04012477-$ | WO-04025554-$ | WO-9712205-$ | WO-9950706-$).DID.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/12/13 05:39 PM
L2938	73	(US-0024594-$ | US-0030597-$ | US-0182812-$ | US-0203183-$ | US-0281440-$ | US-0363835-$ | US-20030030597-$ | US-20050281440-$ | US-20060203183-$ | US-20070182812-$ | US-20080024594-$ | US-20200363835-$ | US-4852988-$ | US-4882598-$ | US-4975584-$ | US-5184156-$ | US-5495576-$ | US-	(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	2024/12/13 05:39 PM

		5583795-$ | US-5841507-$ | US-5966680-$ | US-6099124-$ | US-6163281-$ | US-6244703-$ | US-6433760-$ | US-6491391-$ | US-6563532-$ | US-6771294-$ | US-6847336-$ | US-6943754-$ | US-6977776-$ | US-7148489-$ | US-7150526-$ | US-7278734-$ | US-7347551-$ | US-7488294-$ | US-7651220-$ | US-8408699-$ | US-8931896-$).DID.					
L2939	36	(AT-036110-$ | AL-316473-$ | AT-362895-$ | AL-388766-$ | CA-2233047-$ | CA-2316473-$ | CA-2362895-$ | CA-2388766-$ | CA-2435873-$ | EP-0441791-$ | HO-2102521-$ | HO-2159272-$ | JP-6275987-$ | JP-63153218-$ | WO-0184095-$ | WO-02086599-$ | WO-03062906-$ | WO-04001373-$ | WO-05036110-$).DID.	(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	2024/12/13 05:39 PM
L2946	1469	2932 2933 2934 2935 2936 2937 2938 2939	(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	2024/12/13 05:40 PM
L2947	229	2946 AND 54	(US-PGPUB; USPAT; USOCR; FIT (AU, AP,	OR	ON	ON	2024/12/13 05:41 PM

			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)				
L2948	132	2946 AND 59	(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	2024/12/13 05:41 PM
L2949	61	2946 AND 63	(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	2024/12/13 05:41 PM
L2950	13	2946 AND 49	(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,	OR	ON	ON	2024/12/13 05:41 PM

			RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L2951	2	2946 AND 52	(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	2024/12/13 05:42 PM
L2952	663	("197708" | "198608" | "198805" | "198909" | "99411" | "199511" | "199609" | "199709" | "199807" | "200011" | "200101" | "200102" | "200205" | "200208" | "200210" | "200302" | "200512" | "200907" | "1129988" | "6081194" | "681194" | "7312791" | "8237349" | "2107638").DID.	(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	2024/12/13 05:50 PM
L2953	383	(US-10042186-$ | US-10060790-$ | US-10061144-$ | US-10310296-$ | US-10345625-$ | US-10359311-$ | US-10359459-$ | US-10624790-$ | US-10777048-$ | US-11042045-$ | US-1255265-$ | US-1917745-$ | US-2249572-$ | US-2638532-$ | US-2794085-$ | US-2818511-$ | US-2830132-$ | US-2874230-$ | US-2904670-$ | US-3060308-$ | US-	(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	2024/12/13 05:50 PM

		3597054-$ | US- 3710115-$ | US- 3858001-$ | US- 3883701-$ | US- 4165487-$ | US- 4254451-$ | US- 4283127-$ | US- 4322585-$ | US- 4348664-$ | US- 4389217-$ | US- 4526473-$ | US- 4535244-$ | US- 4608492-$ | US- 4683587-$ | US- 4751691-$ | US- 4757714-$ | US- 4773095-$ | US- 4806011-$ | US- 4822160-$ | US- 4822161-$ | US- 4851686-$ | US- 4856086-$ | US- 4859047-$ | US- 4882769-$ | US- 4904078-$ | US- 4942629-$ | US- 4962469-$ | US- 4967268-$ | US- 4985632-$ | US- 5008548-$ | US- 5015086-$ | US- 5020150-$ | US- 5026151-$ | US- 5036311-$ | US- 5050150-$ | US- 5064410-$ | US- 5093576-$ | US- 5106179-$ | US- 5148023-$ | US- 5151600-$ | US- 5161250-$ | US- 5172256-$ | US- 5264877-$ | US- 5306917-$ | US- 5353378-$ | US- 5359370-$ | US- 5359444-$ | US- 5367345-$ | US- 5379464-$ | US- 5382986-$ | US- 5394005-$ | US- 5452026-$ | US- 5452480-$ | US- 5455637-$ | US- 5455640-$ | US- 5457751-$ | US- 5463428-$ | US- 5500532-$ | US-					

		5510961-$ | US- 5513384-$ | US- 5533130-$ | US- 5541641-$ | US- 5581090-$ | US- 5585871-$ | US- 5589398-$ | US- 5590417-$ | US- 5606743-$ | US- 5608808-$ | US- 5634201-$ | US- 5671035-$ | US- 5686727-$ | US- 5694475-$ | US- 5715323-$ | US- 5737436-$ | US- 5818381-$ | US- 5835185-$ | US- 5900720-$ | US- 5903395-$ | US- 5923398-$ | US- 5941837-$ | US- 5946071-$ | US- 5949516-$ | US- 5966746-$ | US- 5980037-$ | US- 5988812-$ | US- 5991085-$ | US- 5992996-$ | US- 5995592-$ | US- 6010216-$ | US- 6013919-$ | US- 6028627-$ | US- 6046455-$ | US- 6060321-$ | US- 6061580-$ | US- 6091546-$ | US- 6091832-$ | US- 6115177-$ | US- 6132681-$ | US- 6145983-$ | US- 6154552-$ | US- 6176576-$ | US- 6225897-$ | US- 6231181-$ | US- 6236969-$ | US- 6243578-$ | US- 6259367-$ | US- 6270466-$ | US- 6292213-$ | US- 6292685-$ | US- 6301367-$ | US- 6307526-$ | US- 6343858-$ | US- 6349001-$ | US- 6349422-$ | US- 6409335-$ | US- 6409338-$ | US-					

		6426719-$ | US- 6431705-$ | US- 6474816-$ | US- 6478736-$ | US- 6506142-$ | US- 6511175-$ | US- 6513532-$ | US- 6517203-$ | US- 6539336-$ | US- 6542081-$ | US- 6546101-$ | US- 6554763-$ | US- 6582075-$ | US- 6619799-$ | US- 6629076-$ | US- 6729726-$ | US- 6736759-$ | US- 6764194-$ | US- 6769767-$ | US- 6788309-$ | US- 6792401-$ | US- 6816314-$ | US- 6824265-$ | US- 6857741-$ | US- 6871951-$ | US- 6879930-$ | US- 6912386-$ | US- 6929365-$ | US- 6932090-$ | US- 6947219-$ | US- 7004582-$ | US- 7013009-$ | US- 7023594-$ | US- 7030902-$ | US- 7031667-$ | US- 7033025-$ | US- 7059717-$ | US- 7073905-$ | US- 7079876-$ | US- 7123215-$ | US- 7192136-$ | US- 7255437-$ | US- 7265358-$ | US- 7274292-$ | US- 7289767-$ | US- 7312699-$ | US- 7331666-$ | US- 7376238-$ | US- 7380936-$ | US- 7401918-$ | US- 7405801-$ | US- 7429965-$ | US- 7438409-$ | US- 7438410-$ | US- 7445332-$ | US- 7481531-$ | US- 7500746-$ | US- 7500747-$ | US-					

		7512414-$).DID.					
L2954	381	(US-20190310132-$ | US-20190318589-$ | US-20190387351-$ | US-20200012127-$ | US-20200218094-$ | US-20200364992-$ | US-3060308-$ | US-3597054-$ | US-3710115-$ | US-3858001-$ | US-3883701-$ | US-4165487-$ | US-4254451-$ | US-4283127-$ | US-4322585-$ | US-4348664-$ | US-4389217-$ | US-4526473-$ | US-4535244-$ | US-4608492-$ | US-4683587-$ | US-4751691-$ | US-4757714-$ | US-4773095-$ | US-4806011-$ | US-4822160-$ | US-4822161-$ | US-4851686-$ | US-4856086-$ | US-4859047-$ | US-4882769-$ | US-4904078-$ | US-4942629-$ | US-4962469-$ | US-4967268-$ | US-4985632-$ | US-5008548-$ | US-5015086-$ | US-5020150-$ | US-5026151-$ | US-5036311-$ | US-5050150-$ | US-5064410-$ | US-5093576-$ | US-5106179-$ | US-5148023-$ | US-5151600-$ | US-5161250-$ | US-5172256-$ | US-5264877-$ | US-5306917-$ | US-5353378-$ | US-5359370-$ | US-5359444-$ | US-5367345-$ | US-5379464-$ | US-	(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	2024/12/13 05:50 PM

		5382986-$ | US- 5394005-$ | US- 5452026-$ | US- 5452480-$ | US- 5455637-$ | US- 5455640-$ | US- 5457751-$ | US- 5463428-$ | US- 5500532-$ | US- 5510961-$ | US- 5513384-$ | US- 5533130-$ | US- 5541641-$ | US- 5581090-$ | US- 5585871-$ | US- 5589398-$ | US- 5590417-$ | US- 5606743-$ | US- 5608808-$ | US- 5634201-$ | US- 5671035-$ | US- 5686727-$ | US- 5694475-$ | US- 5715323-$ | US- 5737436-$ | US- 5818381-$ | US- 5835185-$ | US- 5900720-$ | US- 5903395-$ | US- 5923398-$ | US- 5941837-$ | US- 5946071-$ | US- 5949516-$ | US- 5966746-$ | US- 5980037-$ | US- 5988812-$ | US- 5991085-$ | US- 5992996-$ | US- 5995592-$ | US- 6010216-$ | US- 6013919-$ | US- 6028627-$ | US- 6046455-$ | US- 6060321-$ | US- 6061580-$ | US- 6091546-$ | US- 6091832-$ | US- 6115177-$ | US- 6132681-$ | US- 6145983-$ | US- 6154552-$ | US- 6176576-$ | US- 6225897-$ | US- 6231181-$ | US- 6236969-$ | US- 6243578-$ | US- 6259367-$ | US- 6270466-$ | US-					

		6292213-$ | US- 6292685-$ | US- 6301367-$ | US- 6307526-$ | US- 6343858-$ | US- 6349001-$ | US- 6349422-$ | US- 6409335-$ | US- 6409338-$ | US- 6426719-$ | US- 6431705-$ | US- 6474816-$ | US- 6478736-$ | US- 6506142-$ | US- 6511175-$ | US- 6513532-$ | US- 6517203-$ | US- 6539336-$ | US- 6542081-$ | US- 6546101-$ | US- 6554763-$ | US- 6582075-$ | US- 6619799-$ | US- 6629076-$ | US- 6729726-$ | US- 6736759-$ | US- 6764194-$ | US- 6769767-$ | US- 6788309-$ | US- 6792401-$ | US- 6816314-$ | US- 6824265-$ | US- 6857741-$ | US- 6871951-$ | US- 6879930-$ | US- 6912386-$ | US- 6929365-$ | US- 6932090-$ | US- 6947219-$ | US- 7004582-$ | US- 7013009-$ | US- 7023594-$ | US- 7030902-$ | US- 7031667-$ | US- 7033025-$ | US- 7059717-$ | US- 7073905-$ | US- 7079876-$ | US- 7123215-$ | US- 7192136-$ | US- 7255437-$ | US- 7265358-$ | US- 7274292-$ | US- 7289767-$ | US- 7312699-$ | US- 7331666-$ | US- 7376238-$ | US- 7380936-$ | US-					

		7401918-$ | US- 7405801-$ | US- 7429965-$ | US- 7438409-$ | US- 7438410-$ | US- 7445332-$ | US- 7481531-$ | US- 7500746-$ | US- 7500747-$ | US- 7512414-$ | US- 7517083-$ | US- 7527374-$ | US- 7543934-$ | US- 7581833-$ | US- 7621634-$ | US- 7648236-$ | US- 7677723-$ | US- 7760898-$ | US- 7771046-$ | US- 7792552-$ | US- 7806525-$ | US- 7922321-$).DID.					
L2955	376	(US-0000733-$ | US- 0001827-$ | US- 0003803-$ | US- 0005230-$ | US- 0012127-$ | US- 0017997-$ | US- 0018274-$ | US- 0021407-$ | US- 0022690-$ | US- 0023158-$ | US- 0028309-$ | US- 0029582-$ | US- 0030442-$ | US- 0032449-$ | US- 0033061-$ | US- 0033623-$ | US- 0034478-$ | US- 0035830-$ | US- 0046887-$ | US- 0050668-$ | US- 0050754-$ | US- 0055888-$ | US- 0059159-$ | US- 0059212-$ | US- 0059381-$ | US- 0061579-$ | US- 0062046-$ | US- 0062338-$ | US- 0062357-$ | US- 0063378-$ | US- 0065257-$ | US- 0067580-$ | US- 0067585-$ | US- 0068057-$ | US- 0068117-$ | US-	(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	2024/12/13 05:50 PM

		0068559-$ | US- 0072828-$ | US- 0073375-$ | US- 0074721-$ | US- 0077175-$ | US- 0078274-$ | US- 0079356-$ | US- 0081982-$ | US- 0083591-$ | US- 0084990-$ | US- 0085245-$ | US- 0088365-$ | US- 0089639-$ | US- 0090103-$ | US- 0090219-$ | US- 0096078-$ | US- 0098192-$ | US- 0098877-$ | US- 0100384-$ | US- 0100792-$ | US- 0101178-$ | US- 0101568-$ | US- 0102734-$ | US- 0107822-$ | US- 0109491-$ | US- 0109600-$ | US- 0110368-$ | US- 0128737-$ | US- 0131575-$ | US- 0132382-$ | US- 0132913-$ | US- 0133885-$ | US- 0140899-$ | US- 0141233-$ | US- 0143519-$ | US- 0144854-$ | US- 0146829-$ | US- 0147215-$ | US- 0150986-$ | US- 0151175-$ | US- 0151179-$ | US- 0156012-$ | US- 0156128-$ | US- 0157649-$ | US- 0158506-$ | US- 0159023-$ | US- 0160571-$ | US- 0160572-$ | US- 0160573-$ | US- 0164122-$ | US- 0176580-$ | US- 0176902-$ | US- 0186330-$ | US- 0187492-$ | US- 0187990-$ | US- 0197002-$ | US- 0197961-$ | US- 0198293-$ | US-					

		0200927-$ | US- 0201440-$ | US- 0201585-$ | US- 0208531-$ | US- 0211921-$ | US- 0213026-$ | US- 0214630-$ | US- 0218094-$ | US- 0218684-$ | US- 0226978-$ | US- 0227219-$ | US- 0230596-$ | US- 0230988-$ | US- 0231293-$ | US- 0238194-$ | US- 0239502-$ | US- 0241796-$ | US- 0245754-$ | US- 0246075-$ | US- 0248238-$ | US- 0248717-$ | US- 0248718-$ | US- 0248719-$ | US- 0251660-$ | US- 0251661-$ | US- 0253590-$ | US- 0262392-$ | US- 0264752-$ | US- 0268008-$ | US- 0268013-$ | US- 0268017-$ | US- 0270663-$ | US- 0271065-$ | US- 0271116-$ | US- 0271387-$ | US- 0272800-$ | US- 0273365-$ | US- 0278110-$ | US- 0278446-$ | US- 0278678-$ | US- 0279584-$ | US- 0285913-$ | US- 0296044-$ | US- 0296045-$ | US- 0302992-$ | US- 0303187-$ | US- 0308089-$ | US- 0309426-$ | US- 0310132-$ | US- 0314079-$ | US- 0318589-$ | US- 0348050-$ | US- 0361185-$ | US- 0364992-$ | US- 0387351-$ | US- 10042186-$ | US- 10060790-$ | US- 10061144-$ | US-					

		10310296-$ | US-10345625-$ | US-10359311-$ | US-10359459-$ | US-10624790-$ | US-10777048-$ | US-11042045-$ | US-11086147-$ | US-1255265-$ | US-1917745-$ | US-20010005230-$ | US-20010028309-$ | US-20010050754-$ | US-20020017997-$ | US-20020021407-$ | US-20020081982-$ | US-20020084990-$ | US-20020089639-$ | US-20020090103-$ | US-20020098877-$ | US-20020101568-$ | US-20020109600-$ | US-20020140899-$ | US-20020159023-$ | US-20020197961-$ | US-20030018274-$ | US-20030022690-$ | US-20030032449-$ | US-20030062046-$ | US-20030065257-$ | US-20030067585-$ | US-20030068057-$ | US-20030083591-$ | US-20030214630-$ | US-20030226978-$ | US-20030231293-$ | US-20040000733-$).DID.					
L2956	369	(US-6060321-$ | US-6061580-$ | US-6091832-$ | US-6115177-$ | US-6132681-$ | US-6154552-$ | US-6176576-$ | US-61810704-$ | US-6199550-$ | US-62023804-$ | US-6225897-$ | US-6231181-$ | US-6236969-$ | US-6259367-$ | US-6270466-$ | US-6292213-$ | US-6292685-$ | US-6301367-$ | US-6343858-$ | US-6409335-$ | US-	(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	2024/12/13 05:50 PM

		6409338-$ | US- 6431705-$ | US- 6474816-$ | US- 64782605-$ | US- 64783605-$ | US- 6511175-$ | US- 6513532-$ | US- 6517203-$ | US- 6539336-$ | US- 6542081-$ | US- 6546101-$ | US- 6554444-$ | US- 6582075-$ | US- 6619799-$ | US- 6629076-$ | US- 6686843-$ | US- 6729726-$ | US- 6736759-$ | US- 6764194-$ | US- 6769767-$ | US- 6788309-$ | US- 6792401-$ | US- 6798391-$ | US- 6824265-$ | US- 6840908-$ | US- 6853303-$ | US- 6857741-$ | US- 6871951-$ | US- 6879930-$ | US- 6898550-$ | US- 6899585-$ | US- 6912386-$ | US- 6932090-$ | US- 6947219-$ | US- 6974226-$ | US- 7013009-$ | US- 7023594-$ | US- 7030902-$ | US- 7031667-$ | US- 7033025-$ | US- 7044615-$ | US- 7048370-$ | US- 7059717-$ | US- 7079876-$ | US- 7148879-$ | US- 7150526-$ | US- 7192136-$ | US- 7255437-$ | US- 7265358-$ | US- 7274292-$ | US- 7278734-$ | US- 7289767-$ | US- 7312699-$ | US- 7313246-$ | US- 7319780-$ | US- 7376238-$ | US- 7380936-$ | US- 7405801-$ | US-					

		7438409-$ | US- 7438410-$ | US- 7452067-$ | US- 7500746-$ | US- 7500747-$ | US- 7512414-$ | US- 7521623-$ | US- 7543934-$ | US- 7543938-$ | US- 7547101-$ | US- 7581833-$ | US- 7604348-$ | US- 7643895-$ | US- 7648236-$ | US- 7677723-$ | US- 7740353-$ | US- 7760898-$ | US- 7792552-$ | US- 7798638-$ | US- 7806525-$ | US- 7818142-$ | US- 7834759-$ | US- 7922321-$ | US- 8073984-$ | US- 8095799-$ | US- 8109629-$ | US- 8142015-$ | US- 8182267-$ | US- 8184067-$ | US- 8243973-$ | US- 8328420-$ | US- 8337013-$ | US- 8421851-$ | US- 8430507-$ | US- 8465151-$ | US- 8482488-$ | US- 8485661-$ | US- 8508851-$ | US- 8558759-$ | US- 8593795-$ | US- 8668334-$ | US- 8766747-$ | US- 8767306-$ | US- 8778022-$ | US- 8801174-$ | US- 8823740-$ | US- 8832233-$ | US- 8838708-$ | US- 8884845-$ | US- 8905541-$ | US- 8907867-$ | US- 8908894-$ | US- 8931896-$ | US- 8941560-$ | US- 8944590-$ | US- 8952869-$ | US- 8957835-$ | US- 8979259-$ | US-					

		9024843-$ | US- 9081212-$ | US- 9091851-$ | US- 9097890-$ | US- 9097891-$ | US- 9116545-$ | US- 9128281-$ | US- 9128522-$ | US- 9129295-$ | US- 9134534-$ | US- 9137309-$ | US- 9141194-$ | US- 9143848-$ | US- 9158116-$ | US- 9182596-$ | US- 9201512-$ | US- 9223134-$ | US- 9229227-$ | US- 9230501-$ | US- 9256071-$ | US- 9277334-$ | US- 9285589-$ | US- 9298007-$ | US- 9299194-$ | US- 9341843-$ | US- 9349280-$ | US- 9366862-$ | US- 9400390-$ | US- 9401540-$ | US- 9405135-$ | US- 9405892-$ | US- 9423842-$ | US- 9423870-$ | US- 9494800-$ | US- 9529197-$ | US- 9529199-$ | US- 9568746-$ | US- 9582071-$ | US- 9589482-$ | US- 9594433-$ | US- 9600079-$ | US- 9651787-$ | US- 9672210-$ | US- 9684172-$ | US- 9684374-$ | US- 9690121-$ | US- 9715112-$ | US- 9715774-$ | US- 9730647-$ | US- 9740280-$ | US- 9753288-$ | US- 9759917-$ | US- 9766463-$ | US- 9781408-$ | US- 9800990-$ | US- 9829707-$ | US- 9836122-$ | US- 9841599-$ | US-					

		9857590-$).DID.					
L2957	345	(US-5036311-$ | US-5050150-$ | US-5064410-$ | US-5093576-$ | US-5106179-$ | US-5148023-$ | US-5151600-$ | US-5161250-$ | US-5172256-$ | US-5264877-$ | US-5306917-$ | US-5353378-$ | US-5359370-$ | US-5359444-$ | US-5367345-$ | US-5379464-$ | US-5382986-$ | US-5394005-$ | US-5452026-$ | US-5452480-$ | US-5455637-$ | US-5455640-$ | US-5457751-$ | US-5463428-$ | US-5500532-$ | US-5510961-$ | US-5513384-$ | US-5533130-$ | US-5541641-$ | US-5581090-$ | US-5585871-$ | US-5589398-$ | US-5590417-$ | US-5606743-$ | US-5608808-$ | US-5634201-$ | US-5671035-$ | US-5686727-$ | US-5694475-$ | US-5715323-$ | US-5737436-$ | US-5818381-$ | US-5835185-$ | US-5900720-$ | US-5903395-$ | US-5923398-$ | US-5941837-$ | US-5946071-$ | US-5949516-$ | US-5966746-$ | US-5980037-$ | US-5988812-$ | US-5991085-$ | US-5992996-$ | US-5995592-$ | US-6010216-$ | US-	(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	2024/12/13 05:50 PM

		6013919-$ | US- 6028627-$ | US- 6046455-$ | US- 6060321-$ | US- 6061580-$ | US- 6091546-$ | US- 6091832-$ | US- 6115177-$ | US- 6132681-$ | US- 6145983-$ | US- 6154552-$ | US- 6176576-$ | US- 6225897-$ | US- 6231181-$ | US- 6236969-$ | US- 6243578-$ | US- 6259367-$ | US- 6270466-$ | US- 6292213-$ | US- 6292685-$ | US- 6301367-$ | US- 6307526-$ | US- 6343858-$ | US- 6349001-$ | US- 6349422-$ | US- 6409335-$ | US- 6409338-$ | US- 6426719-$ | US- 6431705-$ | US- 6474816-$ | US- 6478736-$ | US- 6506142-$ | US- 6511175-$ | US- 6513532-$ | US- 6517203-$ | US- 6539336-$ | US- 6542081-$ | US- 6546101-$ | US- 6554763-$ | US- 6582075-$ | US- 6619799-$ | US- 6629076-$ | US- 6729726-$ | US- 6736759-$ | US- 6764194-$ | US- 6769767-$ | US- 6788309-$ | US- 6792401-$ | US- 6816314-$ | US- 6824265-$ | US- 6857741-$ | US- 6871951-$ | US- 6879930-$ | US- 6912386-$ | US- 6929365-$ | US- 6932090-$ | US- 6947219-$ | US- 7004582-$ | US-					

		7013009-$ | US- 7023594-$ | US- 7030902-$ | US- 7031667-$ | US- 7033025-$ | US- 7059717-$ | US- 7073905-$ | US- 7079876-$ | US- 7123215-$ | US- 7192136-$ | US- 7255437-$ | US- 7265358-$ | US- 7274292-$ | US- 7289767-$ | US- 7312699-$ | US- 7331666-$ | US- 7376238-$ | US- 7380936-$ | US- 7401918-$ | US- 7405801-$ | US- 7429965-$ | US- 7438409-$ | US- 7438410-$ | US- 7445332-$ | US- 7481531-$ | US- 7500746-$ | US- 7500747-$ | US- 7512414-$ | US- 7517083-$ | US- 7527374-$ | US- 7543934-$ | US- 7581833-$ | US- 7621634-$ | US- 7648236-$ | US- 7677723-$ | US- 7760898-$ | US- 7771046-$ | US- 7792552-$ | US- 7806525-$ | US- 7922321-$ | US- 7976159-$ | US- 8109629-$ | US- 8142015-$ | US- 8174569-$ | US- 8337013-$ | US- 8430507-$ | US- 8434863-$ | US- 8465151-$ | US- 8485661-$ | US- 8500271-$ | US- 8770742-$ | US- 8905542-$ | US- 9033493-$ | US- 9244292-$ | US- 9400390-$ | US- 9405135-$ | US- 9488520-$ | US- 9547184-$ | US-					

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		9690121-$ | US-9922236-$ | US-D369167-$).DID.					
L2958	342	(US-10042186-$ | US-10045732-$ | US-10108984-$ | US-10123732-$ | US-10180572-$ | US-10215568-$ | US-10227063-$ | US-10254856-$ | US-10276028-$ | US-10310296-$ | US-10310597-$ | US-10345625-$ | US-10359459-$ | US-10448867-$ | US-10463300-$ | US-10466491-$ | US-10466510-$ | US-10469916-$ | US-10473950-$ | US-10561376-$ | US-10613355-$ | US-10617342-$ | US-10624790-$ | US-10649220-$ | US-10663740-$ | US-10678322-$ | US-10684478-$ | US-10684687-$ | US-10686972-$ | US-10690936-$ | US-10722128-$ | US-10742965-$ | US-10777048-$ | US-10824253-$ | US-10831316-$ | US-10853589-$ | US-10908421-$ | US-10997943-$ | US-11042045-$ | US-11061252-$ | US-11086147-$ | US-11115074-$ | US-11137626-$ | US-11138301-$ | US-11156856-$ | US-11204512-$ | US-1255265-$ | US-1917745-$ | US-20020021407-$ | US-20020081982-$ | US-20020090103-$ | US-20020098877-$ | US-20030022690-$ | US-20030032449-$ | US-	(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	2024/12/13 05:50 PM

		20030226978-$ | US- 20040096078-$ | US- 20050230596-$ | US- 20050248719-$ | US- 20050278446-$ | US- 20060034478-$ | US- 20060269079-$ | US- 20070186330-$ | US- 20070258040-$ | US- 20070270663-$ | US- 20070271116-$ | US- 20080062338-$ | US- 20080144854-$ | US- 20080273166-$ | US- 20090156128-$ | US- 20090201460-$ | US- 20120002160-$ | US- 20120105740-$ | US- 20120108215-$ | US- 20120176580-$ | US- 20120194550-$ | US- 20120249797-$ | US- 20130072828-$ | US- 20130143519-$ | US- 20130169513-$ | US- 20140176902-$ | US- 20140198293-$ | US- 20150309316-$ | US- 20150309534-$ | US- 20160187651-$ | US- 20160223832-$ | US- 20160239985-$ | US- 20190278110-$ | US- 20190285913-$ | US- 20200029140-$ | US- 20220011603-$ | US- 2249572-$ | US- 2638532-$ | US- 2794085-$ | US- 2818511-$ | US- 2830132-$ | US- 2874230-$ | US- 2904670-$ | US- 3060308-$ | US- 3597054-$ | US- 3710115-$ | US- 3858001-$ | US- 3883701-$ | US- 4165487-$ | US- 4254451-$ | US- 4283127-$ | US- 4322585-$ | US- 4348664-$ | US- 4389217-$ | US- 4526473-$ | US- 4535244-$ | US- 4608492-$ | US- 4683587-$ | US-					

		4751691-$ | US- 4757714-$ | US- 4806011-$ | US- 4822160-$ | US- 4822161-$ | US- 4851666-$ | US- 4851686-$ | US- 4856086-$ | US- 4859047-$ | US- 4882769-$ | US- 4962469-$ | US- 4967268-$ | US- 4985632-$ | US- 5008548-$ | US- 5015086-$ | US- 5020150-$ | US- 5026151-$ | US- 5064410-$ | US- 5093576-$ | US- 50963103-$ | US- 5151600-$ | US- 5161250-$ | US- 5172256-$ | US- 5264877-$ | US- 52756503-$ | US- 5306917-$ | US- 5353378-$ | US- 5359444-$ | US- 5367345-$ | US- 5379464-$ | US- 5382986-$ | US- 5394005-$ | US- 5452026-$ | US- 5452480-$ | US- 5455637-$ | US- 5455640-$ | US- 5457751-$ | US- 5463428-$ | US- 5500532-$ | US- 5510961-$ | US- 5513384-$ | US- 5533130-$ | US- 5581090-$ | US- 5585871-$ | US- 56279804-$ | US- 5634201-$ | US- 5671035-$ | US- 5673692-$ | US- 5694475-$ | US- 5715323-$ | US- 58316904-$ | US- 5835185-$ | US- 5900720-$ | US- 5903395-$ | US- 59204504-$ | US- 5923398-$ | US- 5941837-$ | US- 5946071-$ | US-					

		5949516-$ | US-5963294-$ | US-5966746-$ | US-5988812-$ | US-5991085-$ | US-5992996-$ | US-6010216-$ | US-6013919-$ | US-6028627-$ | US-6046455-$ | US-60519104-$).DID.					
L2965	1808	2952 2953 2954 2955 2956 2957 2958	(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	2024/12/13 05:52 PM
L2966	156	2965 AND 54	(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	2024/12/13 05:52 PM
L2967	118	2965 AND 56	(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;	OR	ON	ON	2024/12/13 05:52 PM

			JPO; DERWENT; IBM_TDB)				
L2968	57	2965 AND 61	(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	2024/12/13 05:53 PM
L2969	31	2965 AND 65	(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	2024/12/13 05:53 PM
L2970	18	2965 AND 49	(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	2024/12/13 05:53 PM
L2971	97	(US-0005069-$ | US-0017634-$ | US-0033660-$ | US-0044416-$ | US-0045928-$ | US-0057654-$ | US-	(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	2024/12/16 02:58 PM

		0064746-$ | US-0091200-$ | US-0114770-$ | US-0136414-$ | US-0189548-$ | US-02511706-$ | US-0283894-$ | US-0291667-$ | US-0292333-$ | US-0357599-$ | US-0379425-$ | US-0415388-$ | US-10802582-$ | US-11513371-$ | US-11536988-$ | US-11630331-$ | US-11644361-$ | US-11644693-$ | US-2725462-$ | US-20020136414-$ | US-20030064746-$ | US-20030091200-$ | US-20040005069-$ | US-20040114770-$ | US-20060291667-$ | US-20070189548-$ | US-20100045928-$ | US-20110292333-$ | US-20120283894-$ | US-20210379425-$ | US-20220357599-$ | US-20220415388-$ | US-20230017634-$ | US-20230033660-$ | US-20230057654-$ | US-3104290-$ | US-3119903-$ | US-5519781-$ | US-5819183-$ | US-6311155-$ | US-6678381-$ | US-7801570-$ | US-8582789-$ | US-8849185-$).DID.	HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L2972	78	(US-10359459-$ | US-10624790-$ | US-10777048-$ | US-20030231293-$ | US-20040059212-$ | US-20040101178-$ | US-20060034478-$ | US-20070035830-$ | US-20080100792-$ | US-20090073375-$ | US-20090141233-$ | US-20120033061-$ | US-20130072828-$ | US-	(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,	OR	ON	ON	2024/12/16 02:58 PM

		20130148519-$ | US-20140132913-$ | US-20160302992-$ | US-20170074721-$ | US-20170090219-$ | US-20170131575-$ | US-20170146829-$ | US-20170303187-$ | US-20190272800-$ | US-20190278110-$ | US-20190285913-$ | US-20190310132-$ | US-20190318589-$ | US-20190387351-$ | US-20200012127-$ | US-20200364992-$ | US-3858001-$ | US-4904078-$ | US-5455637-$ | US-5541641-$ | US-5923398-$ | US-6091546-$ | US-6788309-$ | US-6816314-$ | US-6857741-$ | US-7023594-$ | US-7517083-$).DID.	VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L2973	76	(AU-2005259090-$ | CA-2388872-$ | CN-1110465-$ | CN-214896080-$ | DE-69800345-$ | EP-1156572-$ | EP-2082281-$ | EP-3306380-$ | JP-2001183620-$ | JP-2002027680-$ | JP-2002218669-$ | JP-2003017020-$ | JP-2020027271-$ | JP-6742059-$ | KR-100238065-$ | KR-100720019-$ | KR-20010078034-$ | KR-200165484-$ | KR-200250874-$ | KR-200262295-$ | NZ-527050-$ | WO-2001035159-$ | WO-2002054135-$ | WO-2009062381-$ | WO-2010010204-$ | WO-2019011925-$).DID.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/12/16 02:59 PM
L2974	65	(US-7517083-$ | US-7527374-$ | US-7543934-$ | US-7581833-$ | US-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/12/16 02:59 PM

		7621634-$ | US-7648236-$ | US-7677723-$ | US-7760898-$ | US-7771046-$ | US-7792552-$ | US-7806525-$ | US-7922321-$ | US-7976159-$ | US-8109629-$ | US-8142015-$ | US-8174569-$ | US-8337013-$ | US-8430507-$ | US-8434863-$ | US-8465151-$ | US-8485661-$ | US-8500271-$ | US-8770742-$ | US-8905542-$ | US-9033493-$ | US-9244292-$ | US-9400390-$ | US-9405135-$ | US-9488520-$ | US-9547184-$ | US-9690121-$ | US-D369167-$).DID.	CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L2975	43	(US-0045283-$ | US-0090295-$ | US-0359266-$ | US-0408850-$ | US-11480802-$ | US-11803069-$ | US-11829518-$ | US-20030045283-$ | US-20050090295-$ | US-20230359266-$ | US-20230408850-$ | US-5790311-$ | US-7430299-$ | US-7787647-$ | US-8009849-$ | US-8175886-$ | US-8251875-$ | US-8571241-$ | US-8620208-$ | US-8626246-$ | US-9183351-$ | US-9369814-$).DID.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/12/16 02:59 PM
L2976	40	(US-7976159-$ | US-8109629-$ | US-8142015-$ | US-8174569-$ | US-8337013-$ | US-8430507-$ | US-8434863-$ | US-	(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,	OR	ON	ON	2024/12/16 02:59 PM

		8465151-$ | US-8485661-$ | US-8500271-$ | US-8770742-$ | US-8905542-$ | US-9033493-$ | US-9244292-$ | US-9400390-$ | US-9405135-$ | US-9488520-$ | US-9547184-$ | US-9690121-$).DID.	IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L2977	33	(US-0063763-$ | US-0117121-$ | US-0146097-$ | US-0260859-$ | US-0273464-$ | US-0399691-$ | US-0415338-$ | US-11721183-$ | US-11733549-$ | US-11762224-$ | US-20020146097-$ | US-20030063763-$ | US-20190117121-$ | US-20210399691-$ | US-20220260859-$ | US-20220415338-$ | US-20230273464-$).DID.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/12/16 02:59 PM
L2978	24	(US-0026146-$ | US-0036103-$ | US-0089545-$ | US-0122208-$ | US-0178743-$ | US-10571715-$ | US-11326941-$ | US-20050036103-$ | US-20080089545-$ | US-20180122208-$ | US-20210026146-$ | US-20220178743-$).DID.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/12/16 02:59 PM
L2979	20	(US-11086147-$ | US-11204512-$ | US-20050278446-$ | US-20080211921-$ | US-20120062357-$ | US-20190033622-$ | US-20210271116-$ | US-20210364827-$ | US-20210364828-$ | US-9922236-$).DID.	(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,	OR	ON	ON	2024/12/16 02:59 PM

			TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L2980	40	(US-0011603-$ | US-0054092-$ | US-0104864-$ | US-0172691-$ | US-0226838-$ | US-0369402-$ | US-11243416-$ | US-20040104864-$ | US-20130172691-$ | US-20140226838-$ | US-20190369402-$ | US-20220011603-$ | US-20220054092-$ | US-5144344-$ | US-5475798-$ | US-5777715-$ | US-6301050-$ | US-6346929-$ | US-6717737-$ | US-6771423-$).DID.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/12/16 02:59 PM
L2981	16	(US-11042045-$ | US-11086147-$ | US-20050278446-$ | US-20070248238-$ | US-20080211921-$ | US-20120062357-$ | US-20210271116-$ | US-9922236-$).DID.	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA, EE, EP, ES, FI, FR, GB, HR, HU, ID, IE, IL, IS, IT, JP, KR, LT, LU, LV, MA, OA, RU, SU, WO, MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)	OR	ON	ON	2024/12/16 02:59 PM
L2982	13	(US-9880441-$ | US-9882992-$ | US-9910298-$ | US-9922236-$ | US-9939934-$ | US-9952883-$ | US-9965681-$).DID.	(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	2024/12/16 02:59 PM

L2983	10	(EP-1027626-$ | EP-2290433-$).DID.	(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	2024/12/16 02:59 PM
L2984	9	("20070211574" | "20190378493" | "20020044416" | "200124576").DID.	(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	2024/12/16 02:59 PM
L2997	499	2971 2972 2973 2974 2975 2976 2977 2978 2979 2980 2981 2982 2983 2984	(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	2024/12/16 03:03 PM
L2998	96	2997 AND 54	(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	2024/12/16 03:03 PM

			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)				
L2999	63	2997 AND 59	(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	2024/12/16 03:03 PM
L3000	28	2997 AND 65	(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	2024/12/16 03:04 PM
L3001	7	2997 AND 49	(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	2024/12/16 03:04 PM
L3002	1	2997 AND 52	(US-PGPUB; USPAT;	OR	ON	ON	2024/12/16

			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)				03:04 PM
L3003	317	(US-20040029582-$ | US-20040059212-$ | US-20040063378-$ | US-20040096078-$ | US-20040100384-$ | US-20040101178-$ | US-20040128737-$ | US-20040150986-$ | US-20040156012-$ | US-20040157649-$ | US-20040160571-$ | US-20040160572-$ | US-20040160573-$ | US-20040197002-$ | US-20040227219-$ | US-20050067580-$ | US-20050078274-$ | US-20050088365-$ | US-20050201585-$ | US-20050213026-$ | US-20050230596-$ | US-20050238194-$ | US-20050239502-$ | US-20050248717-$ | US-20050248718-$ | US-20050248719-$ | US-20050264752-$ | US-20050278446-$ | US-20060001827-$ | US-20060003803-$ | US-20060023158-$ | US-20060034478-$ | US-20060107822-$ | US-20060132382-$ | US-20070030442-$ | US-20070035830-$ | US-20070046887-$ | US-20070055888-$ | US-20070098192-$ | US-20070109491-$ | US-20070186330-$ | US-20070200927-$ |	(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	2024/12/16 03:20 PM

		US-20070208531-$ | US-20070248238-$ | US-20070270663-$ | US-20070271065-$ | US-20070271116-$ | US-20070271387-$ | US-20070279584-$ | US-20080062338-$ | US-20080068559-$ | US-20080100792-$ | US-20080144854-$ | US-20080151175-$ | US-20080151179-$ | US-20080158506-$ | US-20080211921-$ | US-20080218684-$ | US-20080262392-$ | US-20080278678-$ | US-20090059159-$ | US-20090059381-$ | US-20090073375-$ | US-20090141233-$ | US-20090147215-$ | US-20090156128-$ | US-20090251660-$ | US-20090251661-$ | US-20090296044-$ | US-20100061579-$ | US-20100079356-$ | US-20100110368-$ | US-20100245754-$ | US-20100296045-$ | US-20100309426-$ | US-20110102734-$ | US-20110164122-$ | US-20110187990-$ | US-20110241796-$ | US-20110273365-$ | US-20120033061-$ | US-20120050668-$ | US-20120062357-$ | US-20120133885-$ | US-20120176580-$ | US-20130072828-$ | US-20130077175-$ | US-20130143519-$ | US-20130201440-$ | US-20130308089-$ | US-20140132913-$ | US-20140176902-$ | US-20140198293-$ | US-20140268008-$ | US-20140268013-$ | US-20140268017-$ | US-20140361185-$ | US-20150085245-$ | US-20150230988-$ | US-20150253590-$ |				

		US-20160246075-$ | US-20160302992-$ | US-20170068117-$ | US-20170074721-$ | US-20170090219-$ | US-20170131575-$ | US-20170146829-$ | US-20170303187-$ | US-20180314079-$ | US-20180348050-$ | US-20190033623-$ | US-20190187492-$ | US-20190272800-$ | US-20190278110-$ | US-20190285913-$ | US-20190310132-$ | US-20190318589-$ | US-20190387351-$ | US-20200012127-$ | US-20200218094-$ | US-20200364992-$ | US-20210271116-$ | US-2249572-$ | US-2638532-$ | US-2794085-$ | US-2818511-$ | US-2830132-$ | US-2874230-$ | US-2904670-$ | US-3060308-$ | US-3597054-$ | US-3710115-$ | US-3858001-$ | US-3883701-$ | US-4165487-$ | US-4254451-$ | US-4283127-$ | US-4322585-$ | US-4348664-$ | US-4389217-$ | US-4526473-$ | US-4535244-$ | US-4608492-$ | US-4683587-$ | US-4751691-$ | US-4757714-$ | US-4773095-$ | US-4806011-$ | US-4822160-$ | US-4822161-$ | US-4851686-$ | US-4856086-$ | US-4859047-$ | US-4882769-$ | US-4904078-$ | US-4942629-$ | US-4962469-$ | US-4967268-$ | US-					

		4985632-$ | US-5008548-$ | US-5015086-$ | US-5020150-$ | US-5026151-$).DID.					
L3004	301	(US-1255265-$ | US-1917745-$ | US-10042186-$ | US-10060790-$ | US-10061144-$ | US-10310296-$ | US-10345625-$ | US-10359311-$ | US-10539459-$ | US-10624790-$ | US-10777048-$ | US-11042045-$ | US-2249572-$ | US-2638532-$ | US-2794085-$ | US-2818511-$ | US-2830132-$ | US-2874230-$ | US-2904670-$ | US-20010005230-$ | US-20010028309-$ | US-20010050754-$ | US-20020017997-$ | US-20020021407-$ | US-20020081982-$ | US-20020084990-$ | US-20020090103-$ | US-20020098877-$ | US-20020101568-$ | US-20020109600-$ | US-20020140899-$ | US-20020159023-$ | US-20020197961-$ | US-20030018274-$ | US-20030022690-$ | US-20030032449-$ | US-20030062046-$ | US-20030065257-$ | US-20030067585-$ | US-20030068057-$ | US-20030083591-$ | US-20030214630-$ | US-20030226978-$ | US-20030231293-$ | US-20040000733-$ | US-20040029582-$ | US-20040059212-$ | US-20040063378-$ | US-20040096078-$ | US-20040100384-$ | US-20040101178-$ | US-20040128737-$ | US-	(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	2024/12/16 03:20 PM

		20040150986-$ | US- 20040156012-$ | US- 20040157649-$ | US- 20040160571-$ | US- 20040160572-$ | US- 20040160573-$ | US- 20040197002-$ | US- 20040227219-$ | US- 20050067580-$ | US- 20050078274-$ | US- 20050088365-$ | US- 20050201585-$ | US- 20050213026-$ | US- 20050230596-$ | US- 20050238194-$ | US- 20050239502-$ | US- 20050248717-$ | US- 20050248718-$ | US- 20050248719-$ | US- 20050264752-$ | US- 20060001827-$ | US- 20060003803-$ | US- 20060023158-$ | US- 20060034478-$ | US- 20060107822-$ | US- 20060132382-$ | US- 20070030442-$ | US- 20070035830-$ | US- 20070046887-$ | US- 20070055888-$ | US- 20070098192-$ | US- 20070109491-$ | US- 20070186330-$ | US- 20070200927-$ | US- 20070208531-$ | US- 20070248238-$ | US- 20070270663-$ | US- 20070271065-$ | US- 20070271116-$ | US- 20070271387-$ | US- 20070279584-$ | US- 20080062338-$ | US- 20080068559-$ | US- 20080100792-$ | US- 20080144854-$ | US- 20080151175-$ | US- 20080151179-$ | US- 20080158506-$ | US- 20080218684-$ | US- 20080262392-$ | US- 20080278678-$ | US- 20090059159-$ | US- 20090059381-$ | US- 20090073375-$ | US- 20090141233-$ | US- 20090147215-$ | US- 20090156128-$ | US- 20090251660-$ | US-					

		20090251661-$ | US- 20090296044-$ | US- 20100061579-$ | US- 20100079356-$ | US- 20100110368-$ | US- 20100245754-$ | US- 20100296045-$ | US- 20100309426-$ | US- 20110102734-$ | US- 20110164122-$ | US- 20110187990-$ | US- 20110241976-$ | US- 20110273365-$ | US- 20120033061-$ | US- 20120050668-$ | US- 20120133885-$ | US- 20120176580-$ | US- 20130072828-$ | US- 20130077175-$ | US- 20130143519-$ | US- 20130201440-$ | US- 20130308089-$ | US- 20140132913-$ | US- 20140176902-$ | US- 20140198293-$ | US- 20140268008-$ | US- 20140268013-$ | US- 20140268017-$ | US- 20140361185-$ | US- 20150085245-$ | US- 20150230988-$ | US- 20150253590-$ | US- 20160246075-$ | US- 20160302992-$ | US- 20170068117-$ | US- 20170074721-$ | US- 20170090219-$ | US- 20170131575-$ | US- 20170146829-$ | US- 20170303187-$ | US- 20180314079-$ | US- 20180335650-$ | US- 20180348050-$ | US- 20190033623-$ | US- 20190187492-$ | US- 20190272800-$ | US- 20190278110-$ | US- 20190285913-$).DID.				
L3005	283	(US-20010005230-$ | US-20010028309-$ | US-20010050754-$ | US-20020017997-$ | US-20020021407-$ | US-20020081982-$ | US-20020084990-$ | US-20020089639-$ | US-20020090103-$ |	(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	2024/12/16 03:20 PM

		US-20020098877-$ | US-20020101568-$ | US-20020109600-$ | US-20020140899-$ | US-20020159023-$ | US-20020197961-$ | US-20030018274-$ | US-20030022690-$ | US-20030032449-$ | US-20030062046-$ | US-20030065257-$ | US-20030067585-$ | US-20030068057-$ | US-20030083591-$ | US-20030214630-$ | US-20030226978-$ | US-20030231293-$ | US-20040000733-$ | US-20040029582-$ | US-20040059212-$ | US-20040063378-$ | US-20040096078-$ | US-20040100384-$ | US-20040101178-$ | US-20040128737-$ | US-20040150986-$ | US-20040156012-$ | US-20040157649-$ | US-20040160571-$ | US-20040160572-$ | US-20040160573-$ | US-20040197002-$ | US-20040227219-$ | US-20050067580-$ | US-20050078274-$ | US-20050088365-$ | US-20050201585-$ | US-20050213026-$ | US-20050230596-$ | US-20050238194-$ | US-20050239502-$ | US-20050248717-$ | US-20050248718-$ | US-20050248719-$ | US-20050264752-$ | US-20060001827-$ | US-20060003803-$ | US-20060023158-$ | US-20060034478-$ | US-20060107822-$ | US-20060132382-$ | US-20070030442-$ | US-20070035830-$ | US-20070046887-$ | US-20070055888-$ | US-20070098192-$ | US-20070109491-$ | US-20070186330-$ |	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-20070200927-$ | US-20070208531-$ | US-20070248238-$ | US-20070270663-$ | US-20070271065-$ | US-20070271116-$ | US-20070271387-$ | US-20070279584-$ | US-20080062338-$ | US-20080068559-$ | US-20080100792-$ | US-20080144854-$ | US-20080151175-$ | US-20080151179-$ | US-20080158506-$ | US-20080218684-$ | US-20080262392-$ | US-20080278678-$ | US-20090059159-$ | US-20090059381-$ | US-20090073375-$ | US-20090141233-$ | US-20090147215-$ | US-20090156128-$ | US-20090251660-$ | US-20090251661-$ | US-20090296044-$ | US-20100061579-$ | US-20100079356-$ | US-20100110368-$ | US-20100245754-$ | US-20100296045-$ | US-20100309426-$ | US-20110102734-$ | US-20110164122-$ | US-20110187990-$ | US-20110241976-$ | US-20110273365-$ | US-20120033061-$ | US-20120050668-$ | US-20120133885-$ | US-20120176580-$ | US-20130072828-$ | US-20130077175-$ | US-20130143519-$ | US-20130201440-$ | US-20130308089-$ | US-20140132913-$ | US-20140176902-$ | US-20140198293-$ | US-20140268008-$ | US-20140268013-$ | US-20140268017-$ | US-20140361185-$ | US-20150085245-$ | US-20150230988-$ | US-20150253590-$ | US-20160246075-$ |					

		US-20160302992-$ | US-20170068117-$ | US-20170074721-$ | US-20170090219-$ | US-20170131575-$ | US-20170146829-$ | US-20170303187-$ | US-20180314079-$ | US-20180335650-$ | US-20180348050-$ | US-20190033623-$ | US-20190187492-$ | US-20190272800-$ | US-20190278110-$ | US-20190285913-$ | US-20190310132-$ | US-20190318589-$ | US-20190387351-$ | US-20200218094-$ | US-20200364992-$).DID.					
L3006	211	(US-3192826-$ | US-3216308-$ | US-3229580-$ | US-3524710-$ | US-3610825-$ | US-3787109-$ | US-3885095-$ | US-3915548-$ | US-3923370-$ | US-3936605-$ | US-3940204-$ | US-4052073-$ | US-4082432-$ | US-4195915-$ | US-4218111-$ | US-4447128-$ | US-4550984-$ | US-4649434-$ | US-4664475-$ | US-4665385-$ | US-4722601-$ | US-4751691-$ | US-4753514-$ | US-4799765-$ | US-4806001-$ | US-4806011-$ | US-4818048-$ | US-4826287-$ | US-4852988-$ | US-4853306-$ | US-4867551-$ | US-4869575-$ | US-4884137-$ | US-4961626-$ | US-4968117-$ | US-4973132-$ | US-	(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	2024/12/16 03:20 PM

		4973139-$ | US- 4988183-$ | US- 5003300-$ | US- 5013134-$ | US- 5028119-$ | US- 5044709-$ | US- 5050962-$ | US- 5053755-$ | US- 5129716-$ | US- 5138470-$ | US- 5162828-$ | US- 5212471-$ | US- 5214425-$ | US- 5231379-$ | US- 5281957-$ | US- 5281960-$ | US- 5309169-$ | US- 5320538-$ | US- 5325386-$ | US- 5334991-$ | US- 5348477-$ | US- 5359669-$ | US- 5367345-$ | US- 5369415-$ | US- 5381267-$ | US- 5384654-$ | US- 5392158-$ | US- 5416876-$ | US- 5446507-$ | US- 5455591-$ | US- 5459612-$ | US- 5469185-$ | US- 5491510-$ | US- 5506728-$ | US- 5519410-$ | US- 5537253-$ | US- 5539578-$ | US- 5576887-$ | US- 5579148-$ | US- 5583590-$ | US- 5585871-$ | US- 5589846-$ | US- 5596451-$ | US- 5606743-$ | US- 5610765-$ | US- 5626410-$ | US- 5629790-$ | US- 5648789-$ | US- 5653751-$ | US- 5654827-$ | US- 5654828-$ | US- 5671037-$ | US- 5673139-$ | US- 5682173-$ | US- 5699194-$ | US- 5712649-$ | US- 5717479-$ | US- 5719588-$ | US-					

		5744788-$ | US-5751493-$ | US-5808589-$ | US-5815326-$ | US-5886822-$ | US-5943171-$ | US-5973845-$ | US-5991103-$ | US-6005720-$ | US-6023372-$ | US-6081304-$ | US-6091546-$ | US-D195365-$ | US-RE28847-$).DID.					
L3007	125	(US-10042186-$ | US-10222617-$ | US-10345625-$ | US-10613355-$ | US-10624790-$ | US-10777048-$ | US-11061252-$ | US-12003393-$ | US-20040160572-$ | US-20090097688-$ | US-20090296044-$ | US-20100177277-$ | US-20100265456-$ | US-20110080556-$ | US-20110102734-$ | US-20110109873-$ | US-20120002159-$ | US-20130010256-$ | US-20160109729-$ | US-20170068117-$ | US-20190126060-$ | US-20200004050-$ | US-3042548-$ | US-3683168-$ | US-3923384-$ | US-4447504-$ | US-4449799-$ | US-4618226-$ | US-4675259-$ | US-4756605-$ | US-4770954-$ | US-4883728-$ | US-4977899-$ | US-5007726-$ | US-5142406-$ | US-5455637-$ | US-5455638-$ | US-5835185-$ | US-5900720-$ | US-5933496-$ | US-6099117-$ | US-6325507-$ | US-64764696-$ | US-	(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	2024/12/16 03:20 PM

		6552511-$ | US-7150526-$ | US-7339353-$ | US-7461936-$ | US-8337013-$ | US-8465151-$ | US-8500271-$ | US-8770742-$ | US-8787970-$ | US-8801174-$ | US-8876285-$ | US-8905541-$ | US-8944590-$ | US-9192772-$ | US-9207515-$ | US-9274395-$ | US-9405135-$ | US-9470909-$ | US-9482880-$ | US-9619201-$ | US-9632059-$ | US-9720258-$ | US-9720260-$).DID.					
L3008	156	(US-20020098877-$ | US-20020118825-$ | US-20020176330-$ | US-20030003969-$ | US-20030022690-$ | US-20030067585-$ | US-20030068057-$ | US-20040000733-$ | US-20040132509-$ | US-20040156012-$ | US-20040157649-$ | US-20040160572-$ | US-20040160573-$ | US-20040239874-$ | US-20050046789-$ | US-20050046790-$ | US-20050128431-$ | US-20050185815-$ | US-20060183427-$ | US-2424935-$ | US-2856466-$ | US-2882348-$ | US-2999136-$ | US-3104290-$ | US-3119903-$ | US-3495898-$ | US-3588384-$ | US-3665122-$ | US-3769663-$ | US-3883701-$ | US-4636048-$ | US-4683587-$ | US-4856086-$ | US-4882769-$ | US-	(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	2024/12/16 03:20 PM

		4902120-$ | US- 4904078-$ | US- 5020150-$ | US- 5159639-$ | US- 5327178-$ | US- 5335285-$ | US- 5367345-$ | US- 5533130-$ | US- 5579400-$ | US- 5606743-$ | US- 5608808-$ | US- 5634201-$ | US- 5694475-$ | US- 5715323-$ | US- 5717479-$ | US- 5737436-$ | US- 5781272-$ | US- 5892564-$ | US- 5988812-$ | US- 6010216-$ | US- 6012812-$ | US- 6176576-$ | US- 6218958-$ | US- 6233344-$ | US- 6233345-$ | US- 6252970-$ | US- 6301050-$ | US- 6301367-$ | US- 6311155-$ | US- 6325507-$ | US- 6349001-$ | US- 6356392-$ | US- 6384982-$ | US- 6392798-$ | US- 6409338-$ | US- 6421031-$ | US- 6456721-$ | US- 6490362-$ | US- 6690807-$ | US- 6729726-$ | US- 6769767-$ | US- 6929365-$ | US- 6966647-$ | US- 7004582-$ | US- 7013009-$ | US- D207919-$ | US- D212863-$ | US- D418153-$ | US- D426845-$ | US- D435058-$ | US- D445416-$ | US- D462708-$ | US- RE35051-$).DID.				
L3009	93	(US-20010035242-$ | US-20020072387-$ | US-20020193151-$ | US-20030036414-$ |	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2024/12/16 03:20 PM

		US-20030040285-$ | US-20030042348-$ | US-20030108217-$ | US-20030182003-$ | US-20040077382-$ | US-20040204165-$ | US-20050078274-$ | US-20050128431-$ | US-20050201585-$ | US-20050220316-$ | US-20050248717-$ | US-20050255883-$ | US-20050255898-$ | US-20060013410-$ | US-20060023158-$ | US-20060093178-$ | US-20060153409-$ | US-20060177086-$ | US-20060185062-$ | US-20060251283-$ | US-20070064969-$ | US-20090175482-$ | US-2249572-$ | US-3528734-$ | US-4456797-$ | US-4902120-$ | US-4942617-$ | US-5034995-$ | US-5164987-$ | US-5422957-$ | US-5608808-$ | US-5715323-$ | US-5737436-$ | US-5881160-$ | US-6095820-$ | US-6097822-$ | US-6176576-$ | US-6633770-$ | US-6643528-$ | US-6690808-$ | US-6920228-$ | US-7519192-$ | US-7702122-$ | US-D533539-$).DID.	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)				
L3016	887	3003 3004 3005 3006 3007 3008 3009	(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,	OR	ON	ON	2024/12/16 03:22 PM

			VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L3017	140	3016 AND 54	(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	2024/12/16 03:22 PM
L3018	80	3016 AND 58	(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	2024/12/16 03:22 PM
L3019	44	3016 AND 61	(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	2024/12/16 03:23 PM
L3020	19	3016 AND 65	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2024/12/16 03:23 PM

			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)				
L3021	1	3016 AND 49	(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	2024/12/16 03:23 PM
L3022	31	"20090296044"	(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	2024/12/16 03:52 PM
L3023	33	"20070046887"	(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;	OR	ON	ON	2024/12/16 03:52 PM

			JPO; DERWENT; IBM_TDB)				
L3024	27	"20070248238"	(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	2024/12/16 03:53 PM
L3025	22	"20040160573"	(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	2024/12/16 03:53 PM
L3026	32	"20040000733"	(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	2024/12/16 03:53 PM
L3027	25	"20030063763"	(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,	OR	ON	ON	2024/12/16 03:53 PM

			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)				
L3028	20	"20030045283"	(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	2024/12/16 03:53 PM
L3029	157	"20030030597"	(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	2024/12/16 03:53 PM
L3030	24	"20020146097"	(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;	OR	ON	ON	2024/12/16 03:53 PM

			IBM_TDB)				
L3031	27	"20020140899"	(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	2024/12/16 03:53 PM
L3032	58	"11204512"	(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	2024/12/16 04:18 PM
L3033	43	"11243416"	(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	2024/12/16 04:18 PM
L3034	74	"11183269"	(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,	OR	ON	ON	2024/12/16 04:18 PM

			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)				
L3035	29	"10628831"	(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	2024/12/16 04:18 PM
L3036	74	"10310296"	(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	2024/12/16 04:18 PM
L3037	37	"9122082"	(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	2024/12/16 04:18 PM

L3038	84	"9124796"	(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	2024/12/16 04:20 PM
L3039	44	(Artificial Intelligence) More like doc: US-20070046887-A1 Text: (NL-8700968-A OR US-6542081-B2 OR US-6898550-B1 OR US-7376238-B1 OR US-6409333-B1 OR US-6871951-B2 OR US-6769767-B2 OR US-7013009-B2 OR JP-2003033328-A OR DE-10249705-A1 OR US-6853303-B2 OR US-7312699-B2 OR US-7760898-B2 OR US-7922321-B2 OR US-20050230596-A1 OR US-20050248719-A1 OR US-7792552-B2 OR US-7192136-B2 OR US-7265358-B2 OR US-7059717-B2).did.	(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	2024/12/16 04:32 PM
L3040	44	(Artificial Intelligence) More like doc: US-20090296044-A1 Text: (US-4882769-A OR JP-3000621-B2 OR CA-2059597-A1 OR US-5359444-A OR US-6132881-A OR US-7023594-B2 OR DE-10103922-A1 OR KR-100420024-B1 OR DE-10222375-A1 OR US-20040096078-A1 OR US-8142015-B2 OR JP-4496354-B2 OR US-9137309-B2 OR US-	(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	2024/12/16 04:32 PM

		7648236-B1 OR EP-2082281-A4 OR US-20090296044-A1 OR US-20220011603-A1 OR US-20110187990-A1 OR US-20070046887-A1 OR US-20170131575-A1).did.					
L3041	35	(Artificial Intelligence) More like doc: US-20120050668-A1 Text: (US-5835185-A OR US-7059717-B2 OR TW-200804887-A OR US-8430507-B2 OR US-20170068117-A9 OR US-20140268013-A1 OR US-20120050668-A1 OR US-20230236444-A1 OR US-20190278110-A1 OR US-20070030442-A1 OR US-20160246075-A9 OR US-20230359266-A1 OR US-8434863-B2 OR US-11630331-B2 OR US-20060023158-A1 OR US-11829518-B1 OR US-11513371-B2 OR US-20110187990-A1 OR US-20230033660-A1 OR US-7806525-B2).did.	(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	2024/12/16 04:32 PM
L3042	36	(Artificial Intelligence) More like doc: US-20020140899-A1 Text: (US-2576581-A OR US-2437642-A OR US-3161718-A OR US-3245315-A OR US-3614215-A OR US-3738734-A OR FR-2369583-A1 OR US-4181408-A OR US-4190330-A OR US-4300818-A OR US-4264154-A OR US-4279474-A OR FR-2487566-A1 OR US-4373218-A OR US-4418990-A OR US-4457585-A OR JP-S58118618-A OR US-	(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	2024/12/16 04:33 PM

		4466706-A OR US-4572616-A OR US-4529268-A).did.					
L3043	39	(Artificial Intelligence) More like doc: US-20130329183-A1 Text: (JP-S49114285-A OR JP-S5466098-A OR US-5471658-A OR US-6115482-A OR US-20120105740-A1 OR US-7661818-B2 OR US-7806525-B2 OR WO-2007005938-A2 OR US-7810750-B2 OR US-20080144854-A1 OR US-7631968-B1 OR US-20080207275-A1 OR SG-172914-A1 OR JP-2010226660-A OR JP-5389493-B2 OR JP-2010231119-A OR GB-0912608-D0 OR US-20110213664-A1 OR KR-200459922-Y1 OR WO-2013188343-A1).did.	(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	2024/12/16 04:33 PM
L3044	33	"20050201585"	(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	2024/12/16 04:43 PM
L3045	52	"20050264752"	(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,	OR	ON	ON	2024/12/16 04:43 PM

			VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L3046	13	"2005167902"	(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	2024/12/16 04:43 PM
L3047	21	"20050278446"	(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	2024/12/16 04:43 PM
L3048	8	"20050052537"	(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; JPO)	OR	ON	ON	2024/12/16 04:43 PM
L3049	23	"2005086522"	(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,	OR	ON	ON	2024/12/16 04:43 PM

			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)				
L3050	17	"20050090295"	(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	2024/12/16 04:43 PM
L3051	174	"7278734"	(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	2024/12/16 04:57 PM
L3052	243	"7192136"	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/16 04:57 PM
L3054	146	"7150526"	(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,	OR	ON	ON	2024/12/16 04:57 PM

			VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L3055	190	"7760898"	(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	2024/12/16 04:58 PM
L3056	182	"7922321"	(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	2024/12/16 04:59 PM
L3057	307	"7380936"	(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	2024/12/16 04:59 PM
L3058	40	(Artificial Intelligence) More like doc: US-20050052537-A1 Text: (US-5610678-A OR JP-	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2024/12/16 05:22 PM

		H10304234-A OR JP-H11164186-A OR US-7046279-B2 OR US-7474335-B2 OR US-6717737-B1 OR US-20050052537-A1 OR JP-3159530-U OR US-7991275-B2 OR KR-970028786-A OR JP-WO2005091620-A1 OR JP-4551475-B2 OR JP-2007097199-A OR JP-2005086522-A OR US-20110141295-A1 OR WO-2005091620-A1 OR US-8131142-B2 OR US-20100214449-A1 OR US-20220303465-A1 OR JP-2009124761-A).did.	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)				
L3059	35	(Artificial Intelligence) More like doc: US-20030030597-A1 Text: (US-5539422-A OR TW-422965-B OR US-20030030597-A1 OR US-6771423-B2 OR US-20030184868-A1 OR US-20050078378-A1 OR US-7145726-B2 OR WO-9619746-A2 OR EP-0799435-A2 OR US-6094181-A OR US-5684497-A OR US-6356392-B1 OR US-5625372-A OR US-20180003985-A1 OR JP-5059272-B2 OR US-5905478-A OR US-20010050817-A1 OR WO-2014116615-A1 OR US-5991084-A OR US-8873149-B2).did.	(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	2024/12/16 05:22 PM
L3060	50	(Artificial Intelligence) More like doc: US-20140049831-A1 Text: (DE-10103922-A1 OR JP-4022921-B2 OR JP-2005107038-A OR AT-E398296-T1 OR JP-2007178939-A OR JP-4929878-B2 OR JP-5235341-B2 OR JP-5201015-B2 OR US-8547618-B2 OR JP-	(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,	OR	ON	ON	2024/12/16 05:22 PM

		5195707-B2 OR US-9239462-B2 OR US-20140049831-A1 OR EP-2698662-A1 OR JP-2014038239-A OR JP-6069946-B2 OR JP-2014191007-A OR JP-6065694-B2 OR JP-4006179-B2 OR CN-110954018-A OR JP-2002311361-A).did.	VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L3061	36	(Artificial Intelligence) More like doc: US-20240036361-A1 Text: (US-12044901-B2 OR US-12140819-B1 OR US-20240377657-A1 OR US-11644693-B2 OR US-20230273464-A1 OR US-20220011603-A1 OR US-11921355-B2 OR US-20110187990-A1 OR US-20240036361-A1 OR US-20230359266-A1 OR US-7581833-B2 OR US-20170131575-A1 OR US-20220357599-A1 OR US-20180335650-A1 OR US-20170090219-A1 OR US-20130201440-A1 OR US-20200218094-A1 OR US-20120133885-A1 OR US-20150085245-A1 OR US-20190187492-A1).did.	(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	2024/12/16 05:22 PM
L3062	36	(Artificial Intelligence) More like doc: US-20230273464-A1 Text: (US-20230273464-A1 OR US-11644693-B2 OR US-11921355-B2 OR US-7760898-B2 OR US-20070147630-A1 OR US-20220011603-A1 OR US-20200218094-A1 OR US-20110187990-A1 OR US-7590233-B2 OR US-20220357599-A1 OR US-12025855-B2 OR US-9967682-B2 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, 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	2024/12/16 05:22 PM

		US-12140819-B1 OR US-20040160572-A1 OR US-10284972-B2 OR US-20040160573-A1 OR US-7216973-B2 OR US-20060034478-A1 OR EP-1547434-B1 OR US-20130308089-A1).did.					
L3063	7	"20240036361"	(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	2024/12/16 05:38 PM
L3064	12	"20230017635"	(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	2024/12/16 05:38 PM
L3065	27	"20200012127"	(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	2024/12/16 05:38 PM

L3066	79	"20170289323"	(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	2024/12/16 05:38 PM
L3067	18	"20140049831"	(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	2024/12/16 05:38 PM
L3068	20	"20130329183"	(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))	OR	ON	ON	2024/12/16 05:38 PM
L3069	54	"20120050668"	(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,	OR	ON	ON	2024/12/16 05:38 PM

			SG, SI, SK, SU, TH, TN, TR, TW, UA, VN, WO); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L3070	58	"6911172"	(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	2024/12/16 05:44 PM
L3071	627	"6349001"	(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	2024/12/16 05:44 PM
L3072	116	"6771423"	(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	2024/12/16 05:44 PM
L3073	125	"5835185"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY,	OR	ON	ON	2024/12/16 05:44 PM

			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)				
L3074	130	"5671037"	(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	2024/12/16 05:44 PM
L3075	165	"5020150"	(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	2024/12/16 05:45 PM
L3076	5	"12044901"	(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,	OR	ON	ON	2024/12/17 08:52 AM

			TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L3077	8	"20010043266"	(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	2025/01/23 12:29 PM
L3078	6	"20020089469"	(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	2025/01/23 12:30 PM
L3079	5	"20020101510"	(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	2025/01/23 12:30 PM
L3080	3	"20040178970"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU,	OR	ON	ON	2025/01/23 12:31 PM

			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)				
L3081	5	"20050275714"	(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	2025/01/23 12:32 PM
L3082	27	"20060115130"	(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	2025/01/23 12:33 PM
L3083	255	"20070081123"	(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,	OR	ON	ON	2025/01/23 12:33 PM

			VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L3084	129	"4902120"	(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	2025/01/23 12:34 PM
L3085	76	"5455638"	(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	2025/01/23 12:35 PM
L3086	45	"6181304"	(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	2025/01/23 12:35 PM
L3087	171082	(G02C11/10 OR G02C5/143 OR G02C5/146 OR G02C11/06 OR H02J7/0045 OR	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2025/03/02 04:10 PM

		G02C2200/08 OR G02C5/14 OR G02C11/00 OR H02J7/00).cpc.	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)				
L3103	3986	3087 AND 54	(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; JPO)	OR	ON	ON	2025/03/02 04:12 PM
L3104	2710	3087 AND 56	(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; JPO)	OR	ON	ON	2025/03/02 04:12 PM
L3105	663	3087 AND 61	(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; JPO)	OR	ON	ON	2025/03/02 04:12 PM
L3106	138	3087 AND 65	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY,	OR	ON	ON	2025/03/02 04:12 PM

			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; JPO)				
L3107	20	3087 AND 49	(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; JPO)	OR	ON	ON	2025/03/02 04:12 PM
L3108	3	3087 AND 52	(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; JPO)	OR	ON	ON	2025/03/02 04:12 PM
L3109	104	"2856466"	(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; JPO)	OR	ON	ON	2025/03/02 04:13 PM
L3110	98	"3104290"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY,	OR	ON	ON	2025/03/02 04:13 PM

			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; JPO)				
L3111	70	"3665122"	(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; JPO)	OR	ON	ON	2025/03/02 04:15 PM
L3112	40	(Artificial Intelligence) More like doc: US-2856466-A Text: (US-2168781-A OR US-2613282-A OR US-2856466-A OR US-3789163-A OR CN-110099347-A OR JP-2006162879-A OR DE-102008052682-A1 OR JP-H02135000-A OR US-3297832-A OR DE-2625654-A1 OR JP-S60105400-A OR US-4137431-A OR EP-1847868-B1 OR DE-8706344-U1 OR DE-1837151-U OR EP-1483938-B1 OR DE-2312250-A1 OR US-2830132-A OR DE-102013204153-B4 OR CN-101953175-A).did.	(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	2025/03/02 04:28 PM
L3113	237	"4904078"	(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	2025/03/02 04:33 PM

			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)				
L3114	334	(US-20050520-$ | US-20050524-$ | US-10013976-$ | US-10042186-$ | US-10113837-$ | US-10180572-$ | US-10222617-$ | US-10310296-$ | US-10410535-$ | US-10438106-$ | US-10484649-$ | US-10540907-$ | US-10624790-$ | US-10645348-$ | US-10742913-$ | US-10753709-$ | US-10777048-$ | US-10791783-$ | US-10796860-$ | US-10801813-$ | US-10827249-$ | US-10921578-$ | US-10976574-$ | US-10976575-$ | US-11048103-$ | US-11079202-$ | US-11103025-$ | US-11109137-$ | US-11112622-$ | US-11122698-$ | US-11143838-$ | US-11397337-$ | US-11425486-$ | US-11513371-$ | US-11562711-$ | US-11630331-$ | US-11644693-$ | US-11733549-$ | US-11829518-$ | US-11852901-$ | US-12044901-$ | US-12124116-$ | US-12171293-$ | US-20020098877-$ | US-20020111197-$ | US-20020118825-$ | US-20020176330-$ | US-20020186180-$ | US-20030003969-$ | US-	(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	2025/03/02 04:38 PM

		20030022690-$ | US- 20030067585-$ | US- 20030068057-$ | US- 20040000733-$ | US- 20040015403-$ | US- 20040086141-$ | US- 20040132509-$ | US- 20040156012-$ | US- 20040160572-$ | US- 20040160573-$ | US- 20050185815-$ | US- 20050239502-$ | US- 20060072067-$ | US- 20060088171-$ | US- 20060205449-$ | US- 20070003093-$ | US- 20070110256-$ | US- 20070173293-$ | US- 20070223748-$ | US- 20070248238-$ | US- 20080055194-$ | US- 20080130910-$ | US- 20080144264-$ | US- 20080144854-$ | US- 20080154337-$ | US- 20080181435-$ | US- 20080234847-$ | US- 20080304683-$ | US- 20090059381-$ | US- 20090080667-$ | US- 20090196443-$ | US- 20090209205-$ | US- 20090251409-$ | US- 20090303430-$ | US- 20100061533-$ | US- 20100202627-$ | US- 20100309427-$ | US- 20110084900-$ | US- 20110250958-$ | US- 20120249797-$ | US- 20120316455-$ | US- 20120316456-$ | US- 20130141313-$ | US- 20130180033-$ | US- 20130201440-$ | US- 20130346168-$ | US- 20140010389-$ | US- 20140233753-$ | US- 20140268008-$ | US- 20150181010-$ | US- 20150309316-$ | US- 20170078022-$ | US- 20170102558-$ | US- 20180060613-$ | US- 20220187609-$ | US- 2424935-$ | US- 2856466-$ | US- 2882348-$ | US-					

		2999136-$ | US- 3104290-$ | US- 3119903-$ | US- 3495898-$ | US- 3588384-$ | US- 3665122-$ | US- 3769663-$ | US- 3883701-$ | US- 3943925-$ | US- 39931702-$ | US- 46015403-$ | US- 4636048-$ | US- 4683587-$ | US- 4806011-$ | US- 4856086-$ | US- 4882769-$ | US- 4902120-$ | US- 4904078-$ | US- 5020150-$ | US- 5159639-$ | US- 5327178-$ | US- 5335285-$ | US- 5353378-$ | US- 5367345-$ | US- 5446788-$ | US- 5533130-$ | US- 5579400-$ | US- 5606743-$ | US- 5608808-$ | US- 5634201-$ | US- 5671037-$ | US- 5694475-$ | US- 5703670-$ | US- 5715323-$ | US- 5717479-$ | US- 5737436-$ | US- 5781272-$ | US- 5892564-$ | US- 5988812-$ | US- 6010216-$ | US- 6012812-$ | US- 6057966-$ | US- 6091832-$ | US- 6176576-$ | US- 6218958-$ | US- 6233344-$ | US- 6233345-$ | US- 6252970-$ | US- 6301050-$ | US- 6301367-$ | US- 6311155-$ | US- 6325507-$ | US- 6349001-$ | US- 6356392-$ | US- 6392798-$ | US- 6409338-$ | US- 6421031-$ | US- 6456721-$ | US-					

		6474816-$ | US-6490362-$ | US-6582075-$ | US-6629076-$ | US-6650894-$ | US-6690807-$ | US-6978162-$ | US-7013009-$ | US-7150526-$ | US-7158096-$ | US-7278734-$).DID.					
L3115	179	(US-7289767-$ | US-7321785-$ | US-7461936-$ | US-7512414-$ | US-7581833-$ | US-7661818-$ | US-7699486-$ | US-7814903-$ | US-7988283-$ | US-8184983-$ | US-8235524-$ | US-8323188-$ | US-8323189-$ | US-8328718-$ | US-8388164-$ | US-8449471-$ | US-8461988-$ | US-8467133-$ | US-8472120-$ | US-8477425-$ | US-8482488-$ | US-8482859-$ | US-8488246-$ | US-8491118-$ | US-8500636-$ | US-8538058-$ | US-8540364-$ | US-8543061-$ | US-8593795-$ | US-8684900-$ | US-8684922-$ | US-8686871-$ | US-8736516-$ | US-8750971-$ | US-8825468-$ | US-8855719-$ | US-8862186-$ | US-8905542-$ | US-8929954-$ | US-8964980-$ | US-8968195-$ | US-8979295-$ | US-9033493-$ | US-9060683-$ | US-9069380-$ | US-9081212-$ | US-	(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	2025/03/02 04:38 PM

		9089761-$ | US-9091851-$ | US-9097890-$ | US-9097891-$ | US-9128281-$ | US-9129295-$ | US-9134534-$ | US-9134793-$ | US-9160064-$ | US-9182596-$ | US-9217868-$ | US-9223134-$ | US-9229227-$ | US-9235262-$ | US-9264824-$ | US-9285589-$ | US-9301085-$ | US-9316827-$ | US-9316830-$ | US-9341843-$ | US-9366862-$ | US-9377862-$ | US-9378028-$ | US-9402121-$ | US-9405135-$ | US-9442290-$ | US-9488520-$ | US-9525936-$ | US-9526287-$ | US-9526292-$ | US-9568173-$ | US-9606375-$ | US-9609902-$ | US-9619201-$ | US-9720258-$ | US-9720260-$ | US-9744359-$ | US-9759917-$ | US-9808625-$ | US-9820658-$ | US-9839274-$ | US-9861820-$ | US-9864211-$ | US-9865176-$ | US-9910297-$ | US-9959777-$ | US-9974954-$ | US-9991699-$).DID.					
L3116	158	(AT-0820100311-$ | DA-1419941122-$ | DA-1419970304-$ | QR-1820030624-$ | TY-2020091223-$ | TO-20050520-$ | AT-2120090326-$ | AU-2005306412-$ | AU-2008358016-$ | AU-	(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	2025/03/02 04:38 PM

		2012203662-$ | AU-2013263854-$ | CA-2375519-$ | CA-2588650-$ | CA-2932965-$ | CA-2969450-$ | CN-103676211-$ | CN-105009202-$ | CN-114815578-$ | CN-1687817-$ | CN-202975580-$ | CN-2760600-$ | CN-2854988-$ | DE-10207214-$ | EP-05851915-$ | EP-1828833-$ | EP-1952757-$ | EP-2167186-$ | EP-2941909-$ | EP-3000243-$ | ES-2547907-$ | FI-111674-$ | FR-2642856-$ | FR-2820936-$ | JP-2001203956-$ | JP-2010527557-$ | JP-2012249097-$ | JP-2013521576-$ | KR-101441873-$ | MX-2007005998-$ | SE-516509-$ | TO-20050524-$ | WO-2001003072-$ | WO-2007079478-$ | WO-2008135763-$ | WO-2010041245-$ | WO-2011007000-$ | WO-2011097564-$ | WO-2012040086-$ | WO-2012154938-$ | WO-2014100477-$ | WO-2014144507-$ | WO-2014158426-$ | WO-2015164287-$ | WO-2020028529-$ | WO-2021026234-$ | WO-2021243095-$ | WO-2024165923-$).DID.	MC, MD, MY, NL, NO, NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L3120	55	(US-10222617-$ | US-12078870-$ | US-12140819-$ | US-12164180-$ | US-20020027600-$ | US-20020101510-$ | US-20050052537-$ | US-20070047936-$ | US-4873576-$ | US-5610678-$ | US-	(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,	OR	ON	ON	2025/03/02 04:52 PM

		6549231-$ | US-6556240-$ | US-6717737-$ | US-7324748-$ | US-7499635-$ | US-7525596-$ | US-7576778-$ | US-7625143-$ | US-7665912-$ | US-8259184-$ | US-8730388-$ | US-9253378-$ | US-9451068-$ | US-9494807-$ | US-9619201-$ | US-9720258-$ | US-9720260-$ | US-9864211-$).DID.	NZ, PH, PL, PT, RO, RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; EPO; JPO; DERWENT; IBM_TDB)				
L3121	63	(EP-2214404-$ | JP-2000152066-$ | JP-2000187268-$ | JP-2003234935-$ | JP-2003316994-$ | JP-2005181356-$ | JP-2006235278-$ | JP-2008205569-$ | JP-2022041765-$ | JP-3843035-$ | JP-3906586-$ | JP-4110876-$ | JP-4433015-$ | JP-4529810-$ | JP-4617767-$ | KR-101005325-$ | KR-101665510-$ | KR-101696683-$ | WO-2014140823-$ | WO-2016048546-$ | WO-2020013313-$).DID.	(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	2025/03/02 04:52 PM
L3122	709	3114 3115 3116 3120	(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	2025/03/02 04:52 PM
L3124	43	3122 AND (force near5 sens$4)	(US-PGPUB; USPAT; USOCR; FIT (AU, AP,	OR	ON	ON	2025/03/02 04:53 PM

			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)				
L3126	169	3122 AND touch$4	(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	2025/03/02 05:38 PM
L3127	42	3122 AND (touch$4 WITH switch)	(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	2025/03/02 05:38 PM
L3128	34	"36407830".fmid.	(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,	OR	ON	ON	2025/03/02 05:41 PM

			RS, SE, SG, SI, SK, TH, TN, TR, TW, UA, VN); FPRS; JPO)				
L3129	54	"2006055884"	(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; JPO)	OR	ON	ON	2025/03/02 05:47 PM
L3130	34	"36407830".fmid.	(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; JPO)	OR	ON	ON	2025/03/02 05:47 PM
L3131	39	(Artificial Intelligence) More like doc: WO-2006055884-A2 Text: (US-4902120-A OR JP-H08298694-A OR AU-759466-B2 OR US-6311155-B1 OR CN-2583696-Y OR CN-2735373-Y OR WO-2006055884-A2 OR EP-1828833-A2 OR CA-2932965-A1 OR CA-2588650-A1 OR US-20080089545-A1 OR CA-2932965-C OR US-7278734-B2 OR AU-2005306412-A1 OR US-20050201585-A1 OR KR-101231026-B1 OR EP-1828833-B1 OR AU-2005306412-A2 OR KR-20120090097-A OR KR-20070103367-A).did.	(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	2025/03/02 05:50 PM

L3132	79	"6717737"	(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	2025/03/03 08:09 AM
L3133	1	"32033316".fmid.	(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; JPO)	OR	ON	ON	2025/03/03 08:09 AM
L3134	41	(Artificial Intelligence) More like doc: US-6717737-B1 Text: (GB-2143948-B OR US-6046712-A OR JP-3962115-B2 OR JP-H10240491-A OR JP-H10304234-A OR JP-2002116404-A OR US-20020171604-A1 OR US-6717737-B1 OR US-20110304704-A1 OR JP-2004328700-A OR US-5818733-A OR KR-102681095-B1 OR JP-2010081557-A OR DE-69720215-T2 OR JP-2023054260-A OR US-7477283-B2 OR US-20050162510-A1 OR US-7885681-B2 OR EP-1681852-B1 OR KR-20020021534-A).did.	(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	2025/03/03 08:09 AM
L3135	79	"20070273611"	(US-PGPUB; USPAT; USOCR; FIT (AU, AP,	OR	ON	ON	2025/03/03 08:47 AM

			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)				
L3136	49	"34972808".fmid.	(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; JPO)	OR	ON	ON	2025/03/03 08:47 AM
L3137	35	(Artificial Intelligence) More like doc: US-20070273611-A1 Text: (US-3689135-A OR US-3966310-A OR US-4102564-A OR JP-S6332624-A OR US-4815839-A OR US-4836670-A OR JP-H01312902-A OR US-4852988-A OR JP-H02164335-A OR JP-H02309925-A OR US-5231674-A OR GB-8916206-D0 OR US-4967186-A OR US-5778893-A OR US-5189512-A OR US-5183512-A OR WO-9518565-A1 OR US-5293187-A OR US-5468239-A OR US-5341181-A).did.	(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	2025/03/03 08:47 AM
L3138	180935	2911 2917	(US-PGPUB; USPAT; USOCR; FIT (AU, AP, AT, BE, BG, BR, BY, CA, CH, CN, CS, CU, CZ, DD, DE, DK, EA,	OR	ON	ON	2025/03/03 09:09 AM

			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)				
L3140	3464	3138 AND (force near3 sens$4)	(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	2025/03/03 09:10 AM
L3141	553	3138 AND (force near3 sens$4) AND eyewear	(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	2025/03/03 09:11 AM
L3142	169	3138 AND (force near5 sens$4) AND (radiation near3 (detector OR sensor)) AND eyewear	(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;	OR	ON	ON	2025/03/03 09:13 AM

			JPO; DERWENT; IBM_TDB)				
L3143	22	"20050248719"	(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	2025/03/03 09:15 AM
L3144	10	"60303263".fmid.	(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; JPO)	OR	ON	ON	2025/03/03 09:15 AM
L3145	37	(Artificial Intelligence) More like doc: US-12120477-B2 Text: (US-2904639-A OR US-5272757-A OR US-6729726-B2 OR US-7313246-B2 OR US-20050248719-A1 OR US-7792552-B2 OR CN-101390438-A OR US-20090216070-A1 OR US-9020168-B2 OR US-20130329183-A1 OR US-9395543-B2 OR US-9100732-B1 OR US-9261700-B2 OR US-9301040-B2 OR US-11825257-B2 OR US-20240056714-A1 OR US-20220078535-A1 OR US-11350196-B2 OR US-12120477-B2 OR US-10757495-B2).did.	(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	2025/03/03 09:15 AM

PE2E SEARCH - Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	British Equivalents	Time Stamp
N1	13414	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV.	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/05 01:06 PM
N2	143	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/05 01:06 PM
N3	129	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4)	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/05 01:06 PM
N4	125	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/05 01:06 PM

		eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND (communicat$4 near10 wireless$4) AND (audio OR speak$4) AND embed$4					
N5	103	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone	(US-PGPUB; USPAT)	OR	ON	ON	2024/02/05 01:06 PM
N379	91	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge	(US-PGPUB; USPAT)	OR	ON	ON	2024/09/04 11:10 AM
N406	97	((("HOWELL") near3 ("Thomas")) OR	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/13 04:44 PM

		(("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second					
N410	875	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND control$4 AND (memor$4 OR stor$4)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/13 05:01 PM
N411	170	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/13 05:01 PM
N412	132	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND connect$4).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/13 05:01 PM
N413	44	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/13 05:38 PM
N414	44	((eyewear$4 OR glasses$4 OR spetacl$4 OR	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/13 05:38 PM

		eyegalss$4) AND (temple SAME (speakers WITH audio))).clm.					
N415	15	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/13 05:38 PM
N416	10	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/16 02:57 PM
N417	6	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND temple AND ((speaker$2 OR audio) SAME (sound WITH guid$4))).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/16 02:57 PM
N418	6	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/16 02:57 PM
N419	5	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4)	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/16 03:41 PM

		AND batter$4 AND connect$4 AND (communicat$4 near10 wireless$4) AND (audio OR speak$4) AND embed$4).clm.					
N420	5	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/16 03:41 PM
N421	4	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/16 03:41 PM
N422	1	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/16 04:17 PM
N423	1	((eyewear$4 OR glasses$4 OR	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/16 04:17 PM

		spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4).clm.					
N424	1	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4 WITH control$4) AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/16 04:17 PM
N425	1	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4 WITH control$4) AND (memor$4 OR stor$4) AND (batter$4 near10 rechargeable) AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/16 05:00 PM
N426	0	((eyewear$4 OR glasses$4 OR	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/16 05:00 PM

		spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4 WITH control$4) AND (memor$4 OR stor$4) AND (batter$4 near10 rechargeable) AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4 AND impair$4 AND compensat$4 AND amplif$6 AND customiz$4).clm.					
N429	0	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4 WITH control$4) AND (memor$4 OR stor$4) AND (batter$4 near10 rechargeable) AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4 AND impair$4 AND compensat$4 AND (amplif$6 WITH customiz$4)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/16 05:23 PM
N430	0	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4 WITH control$4) AND (memor$4 OR stor$4) AND (batter$4 near10 rechargeable) AND connect$4 AND communicat$4 AND (audio OR speak$4)	(US-PGPUB; USPAT)	OR	ON	ON	2024/12/16 05:23 PM

		AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4 AND impair$4 AND compensat$4 AND (amplif$6 WITH customiz$4) AND (detect$3 WITH infrared)).clm.					
N431	92	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4	(US-PGPUB; USPAT)	OR	ON	ON	2025/03/02 03:53 PM
N432	88	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left	(US-PGPUB; USPAT)	OR	ON	ON	2025/03/02 03:53 PM

		AND right AND first AND second AND (motion near3 sensor)					
N433	82	((("HOWELL") near3 ("Thomas")) OR (("CHAO") near3 ("David")) OR (("THOMAS") near3 ("C")) OR (("TONG") near3 ("Peter"))).INV. AND (eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4 AND (motion near3 sensor)	(US-PGPUB; USPAT)	OR	ON	ON	2025/03/02 03:53 PM
N437	0	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4 WITH control$4) AND (memor$4 OR stor$4) AND (batter$4 near10 rechargeable) AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4 AND (force near5 sens$4)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2025/03/02 04:54 PM
N438	0	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4 WITH control$4) AND	(US-PGPUB; USPAT)	OR	ON	ON	2025/03/02 05:51 PM

		(memor$4 OR stor$4) AND (batter$4 near10 rechargeable) AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4 AND impair$4 AND compensat$4 AND amplif$6 AND customiz$4 AND (force near5 sens$4)).clm.					
N439	0	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4 WITH control$4) AND (memor$4 OR stor$4) AND (batter$4 near10 rechargeable) AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4 AND impair$4 AND compensat$4 AND (amplif$6 WITH customiz$4) AND (force near5 sens$4)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2025/03/02 05:51 PM
N441	0	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4 WITH control$4) AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first	(US-PGPUB; USPAT)	OR	ON	ON	2025/03/03 08:07 AM

		AND second AND bridge AND partial$4 AND (force near5 sens$4)).clm.					
N442	0	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4 WITH control$4) AND (memor$4 OR stor$4) AND (batter$4 near10 rechargeable) AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4 AND impair$4 AND compensat$4 AND (amplif$6 WITH customiz$4) AND (detect$3 WITH infrared) AND (force near5 sens$4)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2025/03/03 08:07 AM
N443	0	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4 AND (force near5 sens$4)).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2025/03/03 08:07 AM
N445	0	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND (circuit near10 board) AND (electric$4 WITH control$4) AND (memor$4 OR stor$4)	(US-PGPUB; USPAT)	OR	ON	ON	2025/03/03 08:51 AM

		AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4 AND (force near5 sens$4) AND (radiation near3 (detector OR sensor))).clm.					
N446	0	((eyewear$4 OR glasses$4 OR spetacl$4 OR eyegalss$4) AND frame AND circuit AND control$4 AND (memor$4 OR stor$4) AND batter$4 AND connect$4 AND communicat$4 AND (audio OR speak$4) AND wireless$4 AND embed$4 AND microphone AND left AND right AND first AND second AND bridge AND partial$4 AND (force near5 sens$4) AND (radiation near3 (detector OR sensor))).clm.	(US-PGPUB; USPAT)	OR	ON	ON	2025/03/03 08:51 AM

PE2E SEARCH - Search History (Similarity Search)

Ref #	Sort and Retrieval Information	Text Selections	CPC Selections
L2784	Sort results by: Similarity to Application # 18/597,874 Retrieve results by: Application # 18/597,874	No selections	No selections
L2785	Sort results by: Similarity to Application # 18/597,874 Retrieve results by: Application # 18/597,874	(Abstract) Techniques for providing eyewear or other head-worn personal electronic apparatus with electrical components are disclosed. The electrical components can provide electrical technology to eyewear or other head-worn personal electronic apparatus without having to substantially compromise	No selections

		aesthetic design principles. The electrical components can be partially or completely internal to eyewear or other head-worn personal electronic apparatus. The electrical components can operate independently or together with other electrical components provided elsewhere. Apparatus for presenting after-market electrical components are also disclosed. (Claims) 1. A system, comprising: a head-worn personal electronic apparatus, including at least: a head-worn structure configured to be worn by a user; a speaker at least partially contained within the head-worn structure, the speaker being configured to be worn proximate to an ear of the user when the head-worn structure is being worn by the user; a motion detector at least partially contained within the head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a first microphone at least partially contained within the head-worn structure, the first microphone being positioned to pick up at least audio input from at least the user; a second microphone at least partially contained within the head-worn structure; a piezoelectric device configured to receive a user input based on a force	

		induced on the piezoelectric device, the piezoelectric device being at least partially contained within the head-worn structure, wherein the received user input operating to at least alter operation of the head-worn electronic personal audio apparatus; a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; wireless communication circuitry at least partially contained within the head-worn structure, the wireless communication circuitry being electrically connected to at least the rechargeable battery; and at least one conductive element at least partially included within the head-worn structure, the at least one conductive element being at least partially exposed to enable interconnection therewith, the at least one conductive element being electrically connected to at least the rechargeable battery; and a charging apparatus having at least a charging connector, wherein on placement of the head-worn personal electronic apparatus in the charging apparatus, electrical connection results at least from the at least one conductive element connecting with the charging connector, and thereby the rechargeable battery of the head-worn personal electronic apparatus is able to be	

		recharged while the head-worn personal electronic apparatus is placed in the charging apparatus. (Claims) 2. A head-worn personal electronic apparatus, comprising: a head-worn structure configured to be worn by a user; a speaker at least partially contained within the head-worn structure, the speaker being configured to be worn proximate to an ear of the user when the head-worn structure is being worn by the user; a motion detector at least partially contained within the head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a first microphone at least partially contained within the head-worn structure, the first microphone being positioned to pick up at least audio input from at least the user; a second microphone at least partially contained within the head-worn structure; a piezoelectric device configured to receive a user input based on a force induced on the piezoelectric device, the piezoelectric device being at least partially contained within the head-worn structure, wherein the received user input operating to at least alter operation of the head-worn electronic personal audio apparatus; a rechargeable battery contained within the head-worn structure;	

		electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; and wireless communication circuitry at least partially contained within the head-worn structure.	
L2786	Sort results by: Similarity to Application # 18/597,874 Retrieve results by: Application # 18/597,874	(Abstract) Techniques for providing eyewear or other head-worn personal electronic apparatus with electrical components are disclosed. The electrical components can provide electrical technology to eyewear or other head-worn personal electronic apparatus without having to substantially compromise aesthetic design principles. The electrical components can be partially or completely internal to eyewear or other head-worn personal electronic apparatus. The electrical components can operate independently or together with other electrical components provided elsewhere. Apparatus for presenting after-market electrical components are also disclosed. (Claims) 1. A system, comprising: a head-worn personal electronic apparatus, including at least: a head-worn structure configured to be worn by a user; a speaker at least partially contained within the head-worn structure, the speaker being configured to be worn proximate to an ear of the user when the head-worn structure is being worn by the user;	(G02C11/10) Electronic devices other than hearing aids (G02C11/06) Hearing aids

		a motion detector at least partially contained within the head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a first microphone at least partially contained within the head-worn structure, the first microphone being positioned to pick up at least audio input from at least the user; a second microphone at least partially contained within the head-worn structure; a piezoelectric device configured to receive a user input based on a force induced on the piezoelectric device, the piezoelectric device being at least partially contained within the head-worn structure, wherein the received user input operating to at least alter operation of the head-worn electronic personal audio apparatus; a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; wireless communication circuitry at least partially contained within the head-worn structure, the wireless communication circuitry being electrically connected to at least the rechargeable battery; and at least one conductive element at least partially included within the head-worn structure, the at least one conductive element being at	

		least partially exposed to enable interconnection therewith, the at least one conductive element being electrically connected to at least the rechargeable battery; and a charging apparatus having at least a charging connector, wherein on placement of the head-worn personal electronic apparatus in the charging apparatus, electrical connection results at least from the at least one conductive element connecting with the charging connector, and thereby the rechargeable battery of the head-worn personal electronic apparatus is able to be recharged while the head-worn personal electronic apparatus is placed in the charging apparatus. (Claims) 2. A head-worn personal electronic apparatus, comprising: a head-worn structure configured to be worn by a user; a speaker at least partially contained within the head-worn structure, the speaker being configured to be worn proximate to an ear of the user when the head-worn structure is being worn by the user; a motion detector at least partially contained within the head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a first microphone at least partially contained within the head-worn structure, the first microphone being positioned to pick up at least audio input	

		from at least the user; a second microphone at least partially contained within the head-worn structure; a piezoelectric device configured to receive a user input based on a force induced on the piezoelectric device, the piezoelectric device being at least partially contained within the head-worn structure, wherein the received user input operating to at least alter operation of the head-worn electronic personal audio apparatus; a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; and wireless communication circuitry at least partially contained within the head-worn structure.	
L2787	Sort results by: Similarity to Application # 18/597,874 Retrieve results by: Application # 18/597,874	(Abstract) Techniques for providing eyewear or other head-worn personal electronic apparatus with electrical components are disclosed. The electrical components can provide electrical technology to eyewear or other head-worn personal electronic apparatus without having to substantially compromise aesthetic design principles. The electrical components can be partially or completely internal to eyewear or other head-worn personal electronic apparatus. The electrical components can operate independently or together with other electrical components provided elsewhere. Apparatus for presenting after-market electrical components	(G02C5/143) Side-members having special ear pieces (G02C5/146) Side-members having special front end

		are also disclosed. (Claims) 1. A system, comprising: a head-worn personal electronic apparatus, including at least: a head-worn structure configured to be worn by a user; a speaker at least partially contained within the head-worn structure, the speaker being configured to be worn proximate to an ear of the user when the head-worn structure is being worn by the user; a motion detector at least partially contained within the head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a first microphone at least partially contained within the head-worn structure, the first microphone being positioned to pick up at least audio input from at least the user; a second microphone at least partially contained within the head-worn structure; a piezoelectric device configured to receive a user input based on a force induced on the piezoelectric device, the piezoelectric device being at least partially contained within the head-worn structure, wherein the received user input operating to at least alter operation of the head-worn electronic personal audio apparatus; a rechargeable battery contained within the head-	

		worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; wireless communication circuitry at least partially contained within the head-worn structure, the wireless communication circuitry being electrically connected to at least the rechargeable battery; and at least one conductive element at least partially included within the head-worn structure, the at least one conductive element being at least partially exposed to enable interconnection therewith, the at least one conductive element being electrically connected to at least the rechargeable battery; and a charging apparatus having at least a charging connector, wherein on placement of the head-worn personal electronic apparatus in the charging apparatus, electrical connection results at least from the at least one conductive element connecting with the charging connector, and thereby the rechargeable battery of the head-worn personal electronic apparatus is able to be recharged while the head-worn personal electronic apparatus is placed in the charging apparatus. (Claims) 2. A head-worn personal electronic apparatus, comprising: a head-worn structure configured to be worn by a user;	

		a speaker at least partially contained within the head-worn structure, the speaker being configured to be worn proximate to an ear of the user when the head-worn structure is being worn by the user; a motion detector at least partially contained within the head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a first microphone at least partially contained within the head-worn structure, the first microphone being positioned to pick up at least audio input from at least the user; a second microphone at least partially contained within the head-worn structure; a piezoelectric device configured to receive a user input based on a force induced on the piezoelectric device, the piezoelectric device being at least partially contained within the head-worn structure, wherein the received user input operating to at least alter operation of the head-worn electronic personal audio apparatus; a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; and wireless communication circuitry at least partially contained within the head-worn structure.	

L2788	Sort results by: Similarity to Application # 18/597,874 Retrieve results by: Application # 18/597,874	(Abstract) Techniques for providing eyewear or other head-worn personal electronic apparatus with electrical components are disclosed. The electrical components can provide electrical technology to eyewear or other head-worn personal electronic apparatus without having to substantially compromise aesthetic design principles. The electrical components can be partially or completely internal to eyewear or other head-worn personal electronic apparatus. The electrical components can operate independently or together with other electrical components provided elsewhere. Apparatus for presenting after-market electrical components are also disclosed. (Claims) 1. A system, comprising: a head-worn personal electronic apparatus, including at least: a head-worn structure configured to be worn by a user; a speaker at least partially contained within the head-worn structure, the speaker being configured to be worn proximate to an ear of the user when the head-worn structure is being worn by the user; a motion detector at least partially contained within the head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a first microphone at least partially contained within the head-worn structure, the first	(G02C5/143) Side-members having special ear pieces (G02C5/146) Side-members having special front end (G02C11/06) Hearing aids (G02C11/10) Electronic devices other than hearing aids

		microphone being positioned to pick up at least audio input from at least the user; a second microphone at least partially contained within the head-worn structure; a piezoelectric device configured to receive a user input based on a force induced on the piezoelectric device, the piezoelectric device being at least partially contained within the head-worn structure, wherein the received user input operating to at least alter operation of the head-worn electronic personal audio apparatus; a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; wireless communication circuitry at least partially contained within the head-worn structure, the wireless communication circuitry being electrically connected to at least the rechargeable battery; and at least one conductive element at least partially included within the head-worn structure, the at least one conductive element being at least partially exposed to enable interconnection therewith, the at least one conductive element being electrically connected to at least the rechargeable battery; and a charging apparatus having at least a charging connector, wherein on placement of the	

		head-worn personal electronic apparatus in the charging apparatus, electrical connection results at least from the at least one conductive element connecting with the charging connector, and thereby the rechargeable battery of the head-worn personal electronic apparatus is able to be recharged while the head-worn personal electronic apparatus is placed in the charging apparatus. (Claims) 2. A head-worn personal electronic apparatus, comprising: a head-worn structure configured to be worn by a user; a speaker at least partially contained within the head-worn structure, the speaker being configured to be worn proximate to an ear of the user when the head-worn structure is being worn by the user; a motion detector at least partially contained within the head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a first microphone at least partially contained within the head-worn structure, the first microphone being positioned to pick up at least audio input from at least the user; a second microphone at least partially contained within the head-worn structure; a piezoelectric device configured to receive a user input based on a force induced on the piezoelectric device, the piezoelectric device being at least partially	

		contained within the head-worn structure, wherein the received user input operating to at least alter operation of the head-worn electronic personal audio apparatus; a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; and wireless communication circuitry at least partially contained within the head-worn structure.	
L2789	Sort results by: Similarity to Application # 18/597,874 Retrieve results by: Application # 18/597,874	(Abstract) Techniques for providing eyewear or other head-worn personal electronic apparatus with electrical components are disclosed. The electrical components can provide electrical technology to eyewear or other head-worn personal electronic apparatus without having to substantially compromise aesthetic design principles. The electrical components can be partially or completely internal to eyewear or other head-worn personal electronic apparatus. The electrical components can operate independently or together with other electrical components provided elsewhere. Apparatus for presenting after-market electrical components are also disclosed. (Claims) 1. A system, comprising: a head-worn personal electronic apparatus, including at least: a head-worn structure	(G02C5/143) Side-members having special ear pieces (G02C5/146) Side-members having special front end (G02C11/06) Hearing aids (G02C11/10) Electronic devices other than hearing aids (G02C2200/08) Modular frames, easily exchangeable frame parts and lenses (H02J7/0045) Circuit arrangements for charging or depolarising batteries or for supplying loads from batteries characterised by the mechanical construction concerning the insertion or the connection of the batteries

		configured to be worn by a user; a speaker at least partially contained within the head-worn structure, the speaker being configured to be worn proximate to an ear of the user when the head-worn structure is being worn by the user; a motion detector at least partially contained within the head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a first microphone at least partially contained within the head-worn structure, the first microphone being positioned to pick up at least audio input from at least the user; a second microphone at least partially contained within the head-worn structure; a piezoelectric device configured to receive a user input based on a force induced on the piezoelectric device, the piezoelectric device being at least partially contained within the head-worn structure, wherein the received user input operating to at least alter operation of the head-worn electronic personal audio apparatus; a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; wireless communication circuitry at least partially contained within the head-	

		worn structure, the wireless communication circuitry being electrically connected to at least the rechargeable battery; and at least one conductive element at least partially included within the head-worn structure, the at least one conductive element being at least partially exposed to enable interconnection therewith, the at least one conductive element being electrically connected to at least the rechargeable battery; and a charging apparatus having at least a charging connector, wherein on placement of the head-worn personal electronic apparatus in the charging apparatus, electrical connection results at least from the at least one conductive element connecting with the charging connector, and thereby the rechargeable battery of the head-worn personal electronic apparatus is able to be recharged while the head-worn personal electronic apparatus is placed in the charging apparatus. (Claims) 2. A head-worn personal electronic apparatus, comprising: a head-worn structure configured to be worn by a user; a speaker at least partially contained within the head-worn structure, the speaker being configured to be worn proximate to an ear of the user when the head-worn structure is being worn by the user; a motion detector at least partially contained within the	

		head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a first microphone at least partially contained within the head-worn structure, the first microphone being positioned to pick up at least audio input from at least the user; a second microphone at least partially contained within the head-worn structure; a piezoelectric device configured to receive a user input based on a force induced on the piezoelectric device, the piezoelectric device being at least partially contained within the head-worn structure, wherein the received user input operating to at least alter operation of the head-worn electronic personal audio apparatus; a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; and wireless communication circuitry at least partially contained within the head-worn structure.	
L2901	Sort results by: Similarity to Application # 18/597,874 Retrieve results by: Application # 18/597,874	(Abstract) Techniques for providing eyewear or other head-worn personal electronic apparatus with electrical components are disclosed. The electrical components can provide electrical technology to eyewear or other head-worn personal electronic apparatus without having to substantially compromise aesthetic design principles.	No selections

		The electrical components can be partially or completely internal to eyewear or other head-worn personal electronic apparatus. The electrical components can operate independently or together with other electrical components provided elsewhere. Apparatus for presenting after-market electrical components are also disclosed. (Claims) a head-worn personal electronic apparatus, including at least: a head-worn structure configured to be worn by a user; a speaker at least partially contained within the head-worn structure, the speaker being configured to be worn proximate to an ear of the user when the head-worn structure is being worn by the user; a motion detector at least partially contained within the head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a first microphone at least partially contained within the head-worn structure, the first microphone being positioned to pick up at least audio input from at least the user; a second microphone at least partially contained within the head-worn structure; a piezoelectric device configured to receive a user input based on a force induced on the piezoelectric device, the piezoelectric device being contained within the head-worn structure, wherein the received user input operating to at least alter	

		an operation of the head-worn personal electronic apparatus; a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; 1. (Previously Presented) A system, comprising: wireless communication circuitry at least partially contained within the head-worn structure, the wireless communication circuitry being electrically connected to at least the rechargeable battery; and (Claims) at least one conductive element at least partially included within the head-worn structure, the at least one conductive element being at least partially exposed to enable interconnection therewith, the at least one conductive element being electrically connected to at least the rechargeable battery; and a charging apparatus having at least a charging connector, wherein on placement of the head-worn personal electronic apparatus at least partially in the charging apparatus, electrical connection is configured to result at least from the at least one conductive element connecting with the charging connector, and thereby the rechargeable battery of the head-worn personal electronic apparatus is able to be recharged while the head-worn personal electronic apparatus is placed at least	

		partially in the charging apparatus. a head-worn structure configured to be worn by a user; a speaker at least partially contained within the head-worn structure, the speaker being configured to be worn proximate to an ear of the user when the head-worn structure is being worn by the user; a motion detector at least partially contained within the head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a first microphone at least partially contained within the head-worn structure, the first microphone being positioned to pick up at least audio input from at least the user; a second microphone at least partially contained within the head-worn structure; 2. (Previously Presented) A head-worn personal electronic apparatus, comprising: a piezoelectric device configured to receive a user input based on a force induced on the piezoelectric device, the piezoelectric device being contained within the head-worn structure, wherein the received user input operating to at least alter an operation of the head-worn personal electronic apparatus; a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic	

		circuitry being electrically connected to at least the rechargeable battery; and wireless communication circuitry at least partially contained within the head-worn structure. (Claims) 72. (New) A head-worn personal electronic apparatus, comprising: a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; wireless communication circuitry at least partially contained within the head-worn structure; at least one conductive element at least partially included within the head- worn structure, the at least one conductive element being at least partially exposed to enable interconnection therewith, the at least one conductive element being electrically connected to at least the rechargeable battery; and a radiation detector contained within the head-worn structure and configured to capture radiation data, wherein the head-worn personal electronic apparatus is configured to determine whether the head-worn personal electronic apparatus is being worn by the user based on the radiation data captured by the radiation detector, and wherein the second	

		microphone is configured to at least pick-up an environmental audio input. the head-worn structure, wherein the received user input operating to at least alter an operation of the head-worn personal electronic apparatus; (Claims) 95. (New) A head-worn personal electronic apparatus, comprising: a motion sensor at least partially contained within the head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a first microphone at least partially contained within the head-worn structure, the first microphone being positioned to pick up at least audio input from at least the user; a second microphone at least partially contained within the head-worn structure; a display at least partially contained within the head-worn structure, the display configured to present information to the user of the head-worn personal electronic apparatus; a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; and wireless communication circuitry at least partially contained within the head-worn structure. (Claims) a head-worn	

		structure configured to be worn by a user, the head-worn structure including a front section and first and second temples; a first speaker at least partially contained within the first temple of the head- worn structure; a second speaker at least partially contained within the second temple of the head-worn structure; a motion sensor at least partially contained within the head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a microphone at least partially contained within the head-worn structure, the microphone being positioned to pick up at least audio input from at least the user; a display at least partially contained within the head-worn structure, the display configured to present information to the user of the head-worn personal electronic apparatus; electronic circuitry contained within the head-worn structure and configured to control the display to present the information to the user of the head-worn personal electronic apparatus; and data communication circuitry at least partially contained within the head-worn structure. 100. (New) A head-worn personal electronic apparatus, comprising: (Claims) 08. (New) A head-worn personal electronic	

		apparatus, comprising: a first microphone at least partially contained within the head-worn structure, the first microphone being positioned to pick up at least audio input from at least the user; a second microphone at least partially contained within the head-worn structure; a first optical sensor at least partially contained within the first extended endpiece; a second optical sensor at least partially contained within the second extended endpiece; a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; and wireless communication circuitry at least partially contained within the head-worn structure. a processor at least partially contained within the head-worn structure and configured to control operation of the head-worn personal electronic apparatus;	
L2902	Sort results by: Similarity to Application # 18/597,874 Retrieve results by: Application # 18/597,874	(Abstract) Techniques for providing eyewear or other head-worn personal electronic apparatus with electrical components are disclosed. The electrical components can provide electrical technology to eyewear or other head-worn personal electronic apparatus without having to substantially compromise aesthetic design principles. The electrical components can	(G02C5/146) Side-members having special front end (G02C5/143) Side-members having special ear pieces

		be partially or completely internal to eyewear or other head-worn personal electronic apparatus. The electrical components can operate independently or together with other electrical components provided elsewhere. Apparatus for presenting after-market electrical components are also disclosed. (Claims) a head-worn personal electronic apparatus, including at least: a head-worn structure configured to be worn by a user; a speaker at least partially contained within the head-worn structure, the speaker being configured to be worn proximate to an ear of the user when the head-worn structure is being worn by the user; a motion detector at least partially contained within the head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a first microphone at least partially contained within the head-worn structure, the first microphone being positioned to pick up at least audio input from at least the user; a second microphone at least partially contained within the head-worn structure; a piezoelectric device configured to receive a user input based on a force induced on the piezoelectric device, the piezoelectric device being contained within the head-worn structure, wherein the received user input operating to at least alter an operation of the head-worn	

		personal electronic apparatus; a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; 1. (Previously Presented) A system, comprising: wireless communication circuitry at least partially contained within the head-worn structure, the wireless communication circuitry being electrically connected to at least the rechargeable battery; and (Claims) at least one conductive element at least partially included within the head-worn structure, the at least one conductive element being at least partially exposed to enable interconnection therewith, the at least one conductive element being electrically connected to at least the rechargeable battery; and a charging apparatus having at least a charging connector, wherein on placement of the head-worn personal electronic apparatus at least partially in the charging apparatus, electrical connection is configured to result at least from the at least one conductive element connecting with the charging connector, and thereby the rechargeable battery of the head-worn personal electronic apparatus is able to be recharged while the head-worn personal electronic apparatus is placed at least partially in the charging	

		apparatus. a head-worn structure configured to be worn by a user; a speaker at least partially contained within the head-worn structure, the speaker being configured to be worn proximate to an ear of the user when the head-worn structure is being worn by the user; a motion detector at least partially contained within the head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a first microphone at least partially contained within the head-worn structure, the first microphone being positioned to pick up at least audio input from at least the user; a second microphone at least partially contained within the head-worn structure; 2. (Previously Presented) A head-worn personal electronic apparatus, comprising: a piezoelectric device configured to receive a user input based on a force induced on the piezoelectric device, the piezoelectric device being contained within the head-worn structure, wherein the received user input operating to at least alter an operation of the head-worn personal electronic apparatus; a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically	

		connected to at least the rechargeable battery; and wireless communication circuitry at least partially contained within the head-worn structure. (Claims) 72. (New) A head-worn personal electronic apparatus, comprising: a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; wireless communication circuitry at least partially contained within the head-worn structure; at least one conductive element at least partially included within the head- worn structure, the at least one conductive element being at least partially exposed to enable interconnection therewith, the at least one conductive element being electrically connected to at least the rechargeable battery; and a radiation detector contained within the head-worn structure and configured to capture radiation data, wherein the head-worn personal electronic apparatus is configured to determine whether the head-worn personal electronic apparatus is being worn by the user based on the radiation data captured by the radiation detector, and wherein the second microphone is configured to at	

		least pick-up an environmental audio input. the head-worn structure, wherein the received user input operating to at least alter an operation of the head-worn personal electronic apparatus; (Claims) 95. (New) A head-worn personal electronic apparatus, comprising: a motion sensor at least partially contained within the head-worn structure and configured to provide motion data pertaining to the head-worn personal electronic apparatus; a first microphone at least partially contained within the head-worn structure, the first microphone being positioned to pick up at least audio input from at least the user; a second microphone at least partially contained within the head-worn structure; a display at least partially contained within the head-worn structure, the display configured to present information to the user of the head-worn personal electronic apparatus; a rechargeable battery contained within the head-worn structure; electronic circuitry contained within the head-worn structure, the electronic circuitry being electrically connected to at least the rechargeable battery; and wireless communication circuitry at least partially contained within the head-worn structure. (Claims) a head-worn structure configured to be	