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Applicants:

CITIZEN FINEDEVICE CO LTD

Query language: en / de / fr

1. COMPOSITIONS AND METHODS FOR REMOVING IONS FROM LIQUID CRYSTAL MATERIALS									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
COMPOSITIONS AND METHODS FOR REMOVING IONS FROM LIQUID CRYSTAL MATERIALS	PECINOVSKY CORY S [US]	CITIZEN FINEDEVICE CO LTD [JP]	US2016289564A1	2015-04-01	C09K19/00 C09K19/54 B01D15/08 B01D21/00 B01D37/00 B01J20/26 C09K19/52 G01N15/06	B01D15/08 (EP,US) B01D21/00 (US) B01D37/00 (US) B01J20/26 (EP,US) C09K19/00 (EP,US) C09K19/52 (EP,US) C09K19/542 (EP,US) C09K2019/523 (EP,US) C09K2019/525 (EP,US)	2016-10-06	2016-10-06	057015738
2. Thiadiazoles or oxadiazoles possessing one alkyl, alkenyl or alkynyl tail and a 4-fluorophenyl or 4-cyanophenyl group									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
Thiadiazoles or oxadiazoles possessing one alkyl, alkenyl or alkynyl tail and a 4-fluorophenyl or 4-cyanophenyl group	GABRIEL CHRISTOPHER [US] THURMES WILLIAM [US]	CITIZEN FINEDEVICE CO LTD [JP]	US10577338B2	2018-03-07	C07D271/107 C07D285/12 C07D417/04 C09K19/34 C07D413/04 C09K19/02 G02F1/1333 G02F1/141	C07D271/107 (EP,US) C07D285/12 (EP,US) C07D413/04 (EP,US) C07D417/04 (EP,US) C09K19/0225 (EP) C09K19/348 (EP,US) C09K19/3497 (EP,US) G02F1/1418 (EP,US)	2019-09-12	2019-09-12	067843195
3. METHOD FOR PREPARATION OF MONOCRYSTAL BASED ON LANGATATE AND MONOCRYSTAL BASED ON LANGATATE									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
METHOD FOR PREPARATION OF MONOCRYSTAL BASED ON LANGATATE AND	AOKI TAKAYUKI [JP] KINOSHITA YOSHITAKA [JP]	CITIZEN FINEDEVICE CO LTD [JP]	RU2686900C1	2015-08-19	C30B15/02 C30B29/22 F02D35/02 G01L23/10 G01L9/08	C30B15/00 (EP) C30B15/02 (RU) C30B15/10 (EP,US) C30B29/22 (RU)	2019-05-06	2017-02-23	058051857

MONOCRYSTAL BASED ON LANGATATE	NONOGAKI YOUICHI [JP] TAKAHASHI IKUO [JP]				H01L41/113 H01L41/187 H01L41/41	C30B29/30 (EP,US) F02D35/023 (RU) G01L23/10 (RU) G01L9/08 (RU) H01L41/1132 (RU) H01L41/187 (RU) H01L41/41 (RU)			
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4. MAGNETIC FIELD SENSOR ELEMENT AND MAGNETIC FIELD SENSOR DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
MAGNETIC FIELD SENSOR ELEMENT AND MAGNETIC FIELD SENSOR DEVICE	KUBO TOSHIYA MIYAMOTO MITSUNORI SATO TOSHIRO	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD UNIV SHINSHU	JP2019138775A	2018-02-09	G01R33/032 H01L29/82		2019-08-22	2019-08-22	067693687

5. MAGNETIC FIELD SENSOR ELEMENT AND MAGNETIC FIELD SENSOR DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
MAGNETIC FIELD SENSOR ELEMENT AND MAGNETIC FIELD SENSOR DEVICE	KUBO TOSHIYA MIYAMOTO MITSUNORI OBATA MOTOKI SATO TOSHIRO	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD UNIV SHINSHU	JP2018028499A	2016-08-19	G01R15/24 G01R33/032 H01F10/14 H01F10/16		2018-02-22	2018-02-22	061248753

6. MANUFACTURING METHOD FOR PIEZOELECTRIC VIBRATOR

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
MANUFACTURING METHOD FOR PIEZOELECTRIC VIBRATOR	SAITO JUN TAKANO SHINICHIRO	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2019186845A	2018-04-16	H03H3/02 H03H9/19		2019-10-24	2019-10-24	068337816

7. OUTPUT CIRCUIT, SIGNAL PROCESSING DEVICE, AND DETECTOR

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
OUTPUT CIRCUIT, SIGNAL PROCESSING DEVICE, AND DETECTOR	AEBA TETSUYA KANAMORI YUTA	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2019132645A	2018-01-30	G01L23/10 G01L9/00 H02H9/04 H03B5/32		2019-08-08	2019-08-08	067547399

8. METHOD OF MANUFACTURING PIEZOELECTRIC VIBRATOR

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
METHOD OF MANUFACTURING PIEZOELECTRIC VIBRATOR	FUJINAMI YASUAKI KIUCHI TAKATOSHI MATSUI HAJIME SAGARA SHUNSUKE SHIGETA EIJI	CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	JP2015188183A	2014-03-27	H01L23/02 H03H3/02		2015-10-29	2015-10-29	054430214

9. MACHINE TOOL

Title	Inventors	Applicants	Publication	Earliest	IPC	CPC	Publication	Earliest	Family
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MACHINE TOOL	KUWAYAMA KENJI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	number JP2018001337A	priority 2016-06-30	B23B1/00 B23B25/06 B23Q15/22 B23Q17/22		date 2018-01-11	publication 2018-01-11	number 060945211
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10. ELECTRONIC PART

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
ELECTRONIC PART	SAKURAI HIDEMASA	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2018125385A	2017-01-31	G01L23/10 G01L23/22 H05K1/02 H05K1/11		2018-08-09	2018-08-09	063110398

11. METHOD FOR MANUFACTURING TUNING-FORK VIBRATOR

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
METHOD FOR MANUFACTURING TUNING-FORK VIBRATOR	OKADA TAKAO	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2018014660A	2016-07-22	H03H3/02		2018-01-25	2018-01-25	061019626

12. PLATE-LIKE MEMBER, MEMBER, RECTANGULAR PIECE, PROCESS OF MANUFACTURE OF THE MEMBER AND PROCESS OF MANUFACTURE OF A FLUID INJECTION ORIFICE PLATE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
PLATE-LIKE MEMBER, MEMBER, RECTANGULAR PIECE, PROCESS OF MANUFACTURE OF THE MEMBER AND PROCESS OF MANUFACTURE OF A FLUID INJECTION ORIFICE PLATE	YOSHINO TAKESHI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2018162692A	2017-03-24	B21D39/03 B65H21/00 F02M51/06 F02M61/16 B41J2/16 F16B5/07		2018-10-18	2018-01-10	060940246

13. SAMPLE MOUNTING PLATE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
SAMPLE MOUNTING PLATE	CHOKAI KAZUHIRO	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2017181286A	2016-03-30	G01N27/62		2017-10-05	2017-10-05	060006590

14. METHOD OF AND DEVICE FOR PRODUCING HOLLOW MEMBER

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
METHOD OF AND DEVICE FOR PRODUCING HOLLOW MEMBER	SAKURAI HIDEMASA	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2019147198A	2018-02-26	B23P19/02		2019-09-05	2019-09-05	067849665

15. MANUFACTURING METHOD OF LIQUID CRYSTAL DISPLAY

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
MANUFACTURING METHOD OF LIQUID CRYSTAL DISPLAY	HANDA MASATO	CITIZEN FINEDEVICE CO LTD CITIZEN	JP2017111310A	2015-12-16	G02F1/13 G02F1/1333		2017-06-22	2017-06-22	059079683

		WATCH CO LTD							
16. REFLECTION TYPE LIQUID CRYSTAL DISPLAY									
Title REFLECTION TYPE LIQUID CRYSTAL DISPLAY	Inventors NAKAYAMA TAKESHI SEKI KATSUYA	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017142413A	Earliest priority 2016-02-12	IPC G02F1/1335 G02F1/1333 G02F1/13357	CPC	Publication date 2017-08-17	Earliest publication 2017-08-17	Family number 059628568
17. METHOD FOR ALIGNING LIQUID CRYSTAL OF FERROELECTRIC LIQUID CRYSTAL ELEMENT									
Title METHOD FOR ALIGNING LIQUID CRYSTAL OF FERROELECTRIC LIQUID CRYSTAL ELEMENT	Inventors NAKAMURA MANABU	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017138463A	Earliest priority 2016-02-03	IPC G02F1/1337 G02F1/141	CPC	Publication date 2017-08-10	Earliest publication 2017-08-10	Family number 059656096
18. LIQUID CRYSTAL DISPLAY DEVICE									
Title LIQUID CRYSTAL DISPLAY DEVICE	Inventors IDE TOSHIHIKO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2018054691A	Earliest priority 2016-09-26	IPC G02F1/133 G09G3/20 G09G3/34 G09G3/36	CPC	Publication date 2018-04-05	Earliest publication 2018-04-05	Family number 061834166
19. METHOD FOR MANUFACTURING SAMPLE LOADING PLATE									
Title METHOD FOR MANUFACTURING SAMPLE LOADING PLATE	Inventors MIYAMOTO MITSUNORI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2018173324A	Earliest priority 2017-03-31	IPC G01N27/62 H01J49/04 H01J49/16	CPC	Publication date 2018-11-08	Earliest publication 2018-11-08	Family number 064108610
20. IMAGE DISPLAY DEVICE									
Title IMAGE DISPLAY DEVICE	Inventors MOROZUMI KATSUYA	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	Publication number JP2016186555A	Earliest priority 2015-03-27	IPC G02F1/133 G09G3/20 G09G3/34 G09G3/36	CPC	Publication date 2016-10-27	Earliest publication 2016-10-27	Family number 057203616
21. STACK TYPE PRESSURE SENSOR									
Title STACK TYPE PRESSURE SENSOR	Inventors ANZAI SATOMI HACHIMURA TAKAYUKI KUBO TOSHIYA SHIMIZU TATSUSUKE TANAKA HIROMI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017161246A	Earliest priority 2016-03-07	IPC G01L23/10 H01L41/047 H01L41/053 H01L41/083 H01L41/113 H01L41/187	CPC	Publication date 2017-09-14	Earliest publication 2017-09-14	Family number 059854050
22. METHOD FOR MANUFACTURING PIEZOELECTRIC VIBRATOR									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number

METHOD FOR MANUFACTURING PIEZOELECTRIC VIBRATOR	SAITO JUN	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	number JP2018042076A	priority 2016-09-07	H03H3/02		date 2018-03-15	publication 2018-03-15	number 061626626
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23. LIQUID CRYSTAL DISPLAY ELEMENT

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
LIQUID CRYSTAL DISPLAY ELEMENT	TEJIMA YOSHIRO	CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	JP2016114679A	2014-12-12	G02F1/1333 G02F1/1339 G02F1/1343		2016-06-23	2016-06-23	056141722

24. PRESSURE DETECTION DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
PRESSURE DETECTION DEVICE	AEBA TETSUYA KANAMORI YUTA NAKAGAWA HIROSHI SUE SATOSHI YOMOYAMA MASANORI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2019039733A	2017-08-24	G01L23/10 H01L41/053 H01L41/113		2019-03-14	2019-03-14	065725582

25. PRESSURE DETECTION DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
PRESSURE DETECTION DEVICE	AEBA TETSUYA KANAMORI YUTA	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2019011967A	2017-06-29	G01L19/14 G01L23/10 H01L41/053 H01L41/113		2019-01-24	2019-01-24	065227103

26. IMAGE DISPLAY DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
IMAGE DISPLAY DEVICE	HANDA MASATO	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2018205344A	2017-05-30	G02F1/1339 G02F1/1345 G09F9/00 G09F9/30 H01L27/32 H01L51/50 H05B33/04 H05B33/06		2018-12-27	2018-12-27	064957690

27. METHOD FOR MANUFACTURING TUNING FORK TYPE PIEZOELECTRIC VIBRATING PIECE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
METHOD FOR MANUFACTURING TUNING FORK TYPE PIEZOELECTRIC VIBRATING PIECE	KOITABASHI MASATOSHI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2017169008A	2016-03-16	H03H3/02		2017-09-21	2017-09-21	059914058

28. PRESSURE DETECTOR AND MANUFACTURING METHOD FOR PRESSURE DETECTOR

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
PRESSURE DETECTOR AND MANUFACTURING	NAKAGAWA HIROSHI	CITIZEN FINEDEVICE CO LTD	JP2019117112A	2017-12-27	G01L23/22 G01L9/08		2019-07-18	2019-07-18	067305279

METHOD FOR PRESSURE DETECTOR		CITIZEN WATCH CO LTD							
29. THERMAL STRAIN MEASURING METHOD AND THERMAL STRAIN MEASURING APPARATUS									
Title THERMAL STRAIN MEASURING METHOD AND THERMAL STRAIN MEASURING APPARATUS	Inventors SATO TOMOAKI SUDO AKI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017116352A	Earliest priority 2015-12-22	IPC G01L23/10 G01L23/22	CPC	Publication date 2017-06-29	Earliest publication 2017-06-29	Family number 059231728
30. SAMPLE LOADING PLATE									
Title SAMPLE LOADING PLATE	Inventors CHOKAI KAZUHIRO MIYAMOTO MITSUNORI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	Publication number JP2016121968A	Earliest priority 2014-12-25	IPC G01N27/62 H01J49/04 H01J49/16	CPC	Publication date 2016-07-07	Earliest publication 2016-07-07	Family number 056327787
31. SAMPLE MOUNTING PLATE AND MANUFACTURING METHOD THEREFOR									
Title SAMPLE MOUNTING PLATE AND MANUFACTURING METHOD THEREFOR	Inventors CHOKAI KAZUHIRO SHIOZAWA SHINYA YAMASHITA AKIMI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017181333A	Earliest priority 2016-03-31	IPC G01N27/62 G01N27/64	CPC	Publication date 2017-10-05	Earliest publication 2017-10-05	Family number 060004449
32. REFLECTOR									
Title REFLECTOR	Inventors MIYAMOTO MITSUNORI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2018016859A	Earliest priority 2016-07-29	IPC C23C14/06 C23C14/08 C23C14/14 G02B5/08	CPC	Publication date 2018-02-01	Earliest publication 2018-02-01	Family number 061075962
33. COLOR DISPLAY DEVICE									
Title COLOR DISPLAY DEVICE	Inventors SHIGEFUJI YASUHIRO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2018059958A	Earliest priority 2016-09-30	IPC G02F1/133 G09G3/20 G09G3/34 G09G3/36	CPC	Publication date 2018-04-12	Earliest publication 2018-04-12	Family number 061909826
34. MANUFACTURING METHOD OF LIQUID CRYSTAL DISPLAY PANEL									
Title MANUFACTURING METHOD OF LIQUID CRYSTAL DISPLAY PANEL	Inventors HANDA MASATO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	Publication number JP2016191861A	Earliest priority 2015-03-31	IPC G02F1/1339	CPC	Publication date 2016-11-10	Earliest publication 2016-11-10	Family number 057246586
35. OPTICAL PROBE CURRENT SENSOR AND OPTICAL PROBE CURRENT SENSOR DEVICE									
Title OPTICAL PROBE CURRENT SENSOR AND	Inventors KUBO TOSHIYA	Applicants CITIZEN FINEDEVICE	Publication number JP2017173022A	Earliest priority 2016-03-22	IPC G01R15/24	CPC	Publication date 2017-09-28	Earliest publication 2017-09-28	Family number 059972983

OPTICAL PROBE CURRENT SENSOR DEVICE	MIYAMOTO MITSUNORI OBATA MOTOKI	CO LTD CITIZEN WATCH CO LTD							
36. DETECTION DEVICE AND DETECTION SYSTEM									
Title DETECTION DEVICE AND DETECTION SYSTEM	Inventors AEBA TETSUYA KANAMORI YUTA TAKAHASHI IKUO YOMOYAMA MASANORI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017150976A	Earliest priority 2016-02-25	IPC G01L19/14 G01L23/10	CPC	Publication date 2017-08-31	Earliest publication 2017-08-31	Family number 059740605
37. MANUFACTURING METHOD OF TUNING-FORK TYPE CRYSTAL VIBRATOR									
Title MANUFACTURING METHOD OF TUNING- FORK TYPE CRYSTAL VIBRATOR	Inventors OKADA TAKAO SAITO JUN SAKURAI HIDENORI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	Publication number JP2016092429A	Earliest priority 2014-10-29	IPC H03H3/02	CPC	Publication date 2016-05-23	Earliest publication 2016-05-23	Family number 056017165
38. CRYSTAL OSCILLATOR									
Title CRYSTAL OSCILLATOR	Inventors AOKI KAZUAKI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	Publication number JP2015173365A	Earliest priority 2014-03-12	IPC H03H9/02	CPC	Publication date 2015-10-01	Earliest publication 2015-10-01	Family number 054260442
39. PRESSURE DETECTION DEVICE, AND COMPONENT FOR INTERNAL COMBUSTION									
Title PRESSURE DETECTION DEVICE, AND COMPONENT FOR INTERNAL COMBUSTION	Inventors HAYASHI TAKAYUKI IWASHITA TAKASHI TAKAHASHI KAZUO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2018163082A	Earliest priority 2017-03-27	IPC F02D35/00 G01L19/14 G01L23/10	CPC	Publication date 2018-10-18	Earliest publication 2018-10-18	Family number 063860516
40. MAGNETIC FIELD SENSOR ELEMENT AND METHOD FOR MANUFACTURING THE SAME									
Title MAGNETIC FIELD SENSOR ELEMENT AND METHOD FOR MANUFACTURING THE SAME	Inventors KUBO TOSHIYA MIYAMOTO MITSUNORI SATO TOSHIRO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD UNIV SHINSHU	Publication number JP2018132473A	Earliest priority 2017-02-17	IPC G01R33/032	CPC	Publication date 2018-08-23	Earliest publication 2018-08-23	Family number 063248360
41. HIGHLY INSULATING/HIGHLY STABLE PIEZOELECTRIC LTGA SINGLE CRYSTAL, METHOD FOR PRODUCING SAME, PIEZOELECTRIC ELEMENT USING SAID LTGA SINGLE CRYSTAL, AND COMBUSTION PRESSURE SENSOR									
Title HIGHLY INSULATING/HIGHLY STABLE PIEZOELECTRIC LTGA SINGLE CRYSTAL, METHOD FOR PRODUCING SAME,	Inventors ANZAI YUTAKA [JP] ARUGA TOSHIMITSU [JP] FURUKAWA YASUNORI [JP]	Applicants CITIZEN FINETECH MIYOTA CO LTD [JP] CITIZEN	Publication number EP2546393A1	Earliest priority 2010-03-10	IPC H01L41/24 C30B29/30 C30B33/02 H01L41/08 H01L41/18 H01L41/22	CPC C30B15/00 (EP,US) C30B29/22 (EP,US) C30B33/02 (EP,US)	Publication date 2013-01-16	Earliest publication 2011-09-15	Family number 044563650

PIEZOELECTRIC ELEMENT USING SAID LTGA SINGLE CRYSTAL, AND COMBUSTION PRESSURE SENSOR	HAYASHI TAKAYUKI [JP] MATSUKURA MAKOTO [JP] MATSUMURA SADAO [JP] MIYAMOTO AKIO [JP]	FINEDEVICE CO LTD [JP]			H01L41/39 H01L41/41 C30B15/00 C30B29/22 F02D35/02 G01L23/10 G01L9/08	G01L23/10 (EP,US) G01L9/08 (EP,US) H01L41/1132 (US) H01L41/18 (EP) H01L41/187 (US) H01L41/41 (EP,US) F02D35/023 (EP,US)			
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42. LIQUID CRYSTAL DISPLAY DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
LIQUID CRYSTAL DISPLAY DEVICE	TEJIMA YOSHIRO	CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	JP2016109986A	2014-12-09	G02F1/1343 G09F9/00		2016-06-20	2016-06-20	056124139

43. MANUFACTURING METHOD OF LIQUID CRYSTAL DISPLAY

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
MANUFACTURING METHOD OF LIQUID CRYSTAL DISPLAY	SEKIGUCHI KANETAKA	CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	JP2016045470A	2014-08-26	G02F1/1345		2016-04-04	2016-04-04	055636055

44. LIQUID CRYSTAL DISPLAY DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
LIQUID CRYSTAL DISPLAY DEVICE	SHIMIZU NOBUYUKI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2018049113A	2016-09-21	G02F1/1333 G09F9/00		2018-03-29	2018-03-29	061766244

45. REFLECTIVE LIQUID CRYSTAL DISPLAY DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
REFLECTIVE LIQUID CRYSTAL DISPLAY DEVICE	SEKI KATSUYA	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2019179176A	2018-03-30	G02F1/1335 G02F1/13357		2019-10-17	2019-10-17	068278433

46. CYLINDER INTERNAL-PRESSURE SENSOR FOR ENGINE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
CYLINDER INTERNAL- PRESSURE SENSOR FOR ENGINE	AKI SUDOU KAZUO TAKAHASHI TAKAYUKI HAYASHI	CITIZEN FINEDEVICE CO LTD [JP] CITIZEN HOLDINGS CO LTD [JP]	HK1191092A1	2011-03-31	G01L	F02D35/023 (EP,US) F02F1/00 (US) G01L23/10 (EP,US) G01L23/222 (EP,US)	2016-10-28	2012-10-04	046929637

47. REFLECTIVE LIQUID CRYSTAL DISPLAY DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
REFLECTIVE LIQUID CRYSTAL DISPLAY	SEKIGUCHI KANETAKA	CITIZEN FINEDEVICE	JP2017181746A	2016-03-30	G02F1/1335 G02F1/13357		2017-10-05	2017-10-05	060006004

DEVICE		CO LTD CITIZEN WATCH CO LTD			G09F9/00				
48. MANUFACTURING METHOD OF PIEZOELECTRIC TRANSDUCER									
Title MANUFACTURING METHOD OF PIEZOELECTRIC TRANSDUCER	Inventors OKADA TAKAO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	Publication number JP2015159437A	Earliest priority 2014-02-24	IPC H03H3/02	CPC	Publication date 2015-09-03	Earliest publication 2015-09-03	Family number 054183135
49. METHOD FOR MANUFACTURING LIQUID CRYSTAL DISPLAY ELEMENT									
Title METHOD FOR MANUFACTURING LIQUID CRYSTAL DISPLAY ELEMENT	Inventors HANDA MASATO MURASUGI JUNICHIRO YOSHIDA EIJI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2018173567A	Earliest priority 2017-03-31	IPC G02F1/13	CPC	Publication date 2018-11-08	Earliest publication 2018-11-08	Family number 064108586
50. REFLECTIVE LIQUID CRYSTAL DISPLAY DEVICE									
Title REFLECTIVE LIQUID CRYSTAL DISPLAY DEVICE	Inventors SEKI KATSUYA	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2019174575A	Earliest priority 2018-03-27	IPC F21S2/00 F21V5/02 F21V7/28 F21V9/14 G02F1/1335 G02F1/13357	CPC	Publication date 2019-10-10	Earliest publication 2019-10-10	Family number 068168639
51. ALIGNMENT DEVICE FOR PARTS WITH LEADS									
Title ALIGNMENT DEVICE FOR PARTS WITH LEADS	Inventors SAKURAI HIDEMASA	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2018160806A	Earliest priority 2017-03-23	IPC B23P19/00 H03H3/007	CPC	Publication date 2018-10-11	Earliest publication 2018-10-11	Family number 063795832
52. METHOD FOR MANUFACTURING LIQUID CRYSTAL DISPLAY DEVICE									
Title METHOD FOR MANUFACTURING LIQUID CRYSTAL DISPLAY DEVICE	Inventors HARADA KAZUNORI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2018106053A	Earliest priority 2016-12-27	IPC G02F1/1343 H01L21/56	CPC	Publication date 2018-07-05	Earliest publication 2018-07-05	Family number 062784604
53. REFLECTIVE LIQUID CRYSTAL DISPLAY DEVICE									
Title REFLECTIVE LIQUID CRYSTAL DISPLAY DEVICE	Inventors SEKI KATSUYA	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2019120714A	Earliest priority 2017-12-28	IPC G02F1/1335 G02F1/13357	CPC	Publication date 2019-07-22	Earliest publication 2019-07-22	Family number 067307780
54. LIQUID CRYSTAL PANEL									
Title LIQUID CRYSTAL PANEL	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number

	KONDO MASAYA	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2019174574A	2018-03-27	G02F1/1341 G02F1/141		2019-10-10	2019-10-10	068168651
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55. MAGNETIC SENSOR ELEMENT AND MAGNETIC SENSOR DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
MAGNETIC SENSOR ELEMENT AND MAGNETIC SENSOR DEVICE	KUBO TOSHIYA [JP] MIYAMOTO MITSUNORI [JP] SATO TOSHIRO [JP]	CITIZEN FINEDEVICE CO LTD [JP] CITIZEN WATCH CO LTD [JP] UNIV SHINSHU [JP]	WO2019066050A1	2017-09-29	G01R15/24 G01R33/032	G01R15/24 (EP) G01R33/032 (EP)	2019-04-04	2019-04-04	065902027

56. HOLOGRAM RECORDING AND REPRODUCING DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
HOLOGRAM RECORDING AND REPRODUCING DEVICE	KIMURA KENICHIRO NAKAMURA SATOKATSU SEKIGUCHI KANETAKA YOSHIDA EIJI	CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	JP2015125368A	2013-12-27	G03H1/26 G11B7/0065		2015-07-06	2015-07-06	053536081

57. DRIVING METHOD FOR LIQUID CRYSTAL DISPLAY DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
DRIVING METHOD FOR LIQUID CRYSTAL DISPLAY DEVICE	MOROZUMI KATSUYA	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2017181929A	2016-03-31	G02F1/133 G09G3/20 G09G3/36		2017-10-05	2017-10-05	060004514

58. FREQUENCY ADJUSTMENT METHOD OF PIEZOELECTRIC TRANSDUCER

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
FREQUENCY ADJUSTMENT METHOD OF PIEZOELECTRIC TRANSDUCER	SAKURAI HIDEMASA TANAKA HIROMI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2018157469A	2017-03-21	H03H3/04		2018-10-04	2018-10-04	063718295

59. PRESSURE DETECTOR AND PIEZOELECTRIC ELEMENT

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
PRESSURE DETECTOR AND PIEZOELECTRIC ELEMENT	AEBA TETSUYA KANAMORI YUTA SUE SATOSHI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2019082332A	2017-10-27	G01L23/22		2019-05-30	2019-05-30	066670312

60. METHOD OF MANUFACTURING CERAMIC SUBSTRATE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
METHOD OF MANUFACTURING CERAMIC SUBSTRATE	TSUCHIYA TAICHI	CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	JP2015171982A	2014-03-12	C04B35/111 C04B35/622 H01L23/12 H03H3/02 H05K1/03 H05K3/00		2015-10-01	2015-10-01	054259570

61. METHOD FOR MANUFACTURING TUNING-FORK TYPE PIEZOELECTRIC VIBRATING PIECE									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
METHOD FOR MANUFACTURING TUNING-FORK TYPE PIEZOELECTRIC VIBRATING PIECE	USUI TAKAKI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2017103669A	2015-12-03	H03H3/02 H03H3/04		2017-06-08	2017-06-08	059015748
62. PRESSURE DETECTOR									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
PRESSURE DETECTOR	HACHIMURA TAKAYUKI TAKAHASHI KAZUO	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2018017632A	2016-07-28	G01L23/10		2018-02-01	2018-02-01	061075240
63. LENGTH MEASURING INSTRUMENT, AND LENGTH MEASURING SYSTEM									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
LENGTH MEASURING INSTRUMENT, AND LENGTH MEASURING SYSTEM	KUWAYAMA KENJI MIZUKOSHI TETSUYA	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2018077193A	2016-11-11	G01B11/00 G01B3/18		2018-05-17	2018-05-17	062149180
64. PRESSURE DETECTION DEVICE									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
PRESSURE DETECTION DEVICE	SUDO AKI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2018179894A	2017-04-20	F16J15/10 G01L23/10		2018-11-15	2018-11-15	064276215
65. LIQUID CRYSTAL DISPLAY									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
LIQUID CRYSTAL DISPLAY	MOROZUMI KATSUYA	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2018173566A	2017-03-31	G09G3/20 G09G3/36		2018-11-08	2018-11-08	064107426
66. ALIGNMENT DEVICE FOR COMPONENTS WITH LEADS									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
ALIGNMENT DEVICE FOR COMPONENTS WITH LEADS	SAKURAI HIDEMASA	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2018174240A	2017-03-31	H01L23/02 H01L23/04 H01L23/48		2018-11-08	2018-11-08	064108898
67. SUBSTRATE WITH REFLECTING MEMBER AND MANUFACTURING METHOD THEREOF									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
SUBSTRATE WITH REFLECTING MEMBER AND MANUFACTURING METHOD THEREOF	CHOKAI KAZUHIRO TSUCHIYA JUNJI	CITIZEN FINEDEVICE CO LTD CITIZEN	JP2018117088A	2017-01-20	H01S5/022		2018-07-26	2018-07-26	062984350

		WATCH CO LTD							
68. MANUFACTURING METHOD AND MANUFACTURING INSTALLATION OF ELECTRONIC COMPONENT									
Title MANUFACTURING METHOD AND MANUFACTURING INSTALLATION OF ELECTRONIC COMPONENT	Inventors SAKURAI HIDEMASA	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2018125384A	Earliest priority 2017-01-31	IPC H05K1/14 H05K3/34 H05K7/14	CPC	Publication date 2018-08-09	Earliest publication 2018-08-09	Family number 063110405
69. DISPLAY DEVICE AND ELECTRONIC CAMERA									
Title DISPLAY DEVICE AND ELECTRONIC CAMERA	Inventors SEKIGUCHI KANETAKA	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2018173569A	Earliest priority 2017-03-31	IPC G03B13/02 G03B17/20 G03B17/54 G03B21/00 G03B21/28 H04N5/225	CPC	Publication date 2018-11-08	Earliest publication 2018-11-08	Family number 064107425
70. POWDER MOLDING DEVICE									
Title POWDER MOLDING DEVICE	Inventors MIYAJIMA TOSHIRO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017177116A	Earliest priority 2016-03-28	IPC B22F3/035 B28B13/02 B28B3/02 B30B11/00 B30B11/02	CPC	Publication date 2017-10-05	Earliest publication 2017-10-05	Family number 060004655
71. PRESSURE DETECTION DEVICE									
Title PRESSURE DETECTION DEVICE	Inventors YOMOYAMA MASANORI [JP]	Applicants CITIZEN FINEDEVICE CO LTD [JP] CITIZEN HOLDINGS CO LTD [JP]	Publication number US2017153161A1	Earliest priority 2014-03-27	IPC G01L23/10 G01L23/22	CPC G01L23/10 (EP,US) G01L23/222 (EP,US) G01L23/225 (US)	Publication date 2017-06-01	Earliest publication 2015-10-01	Family number 054195570
72. REFLECTION TYPE LIQUID CRYSTAL DISPLAY DEVICE									
Title REFLECTION TYPE LIQUID CRYSTAL DISPLAY DEVICE	Inventors ARIMA MASANORI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	Publication number JP2015184654A	Earliest priority 2014-03-26	IPC F21S2/00 G02F1/13357	CPC	Publication date 2015-10-22	Earliest publication 2015-10-22	Family number 054351192
73. PRESSURE DETECTION DEVICE									
Title PRESSURE DETECTION DEVICE	Inventors NAKAGAWA HIROSHI SATO TOMOAKI TAKAHASHI KAZUO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017173122A	Earliest priority 2016-03-23	IPC G01L23/10 G01L19/14	CPC	Publication date 2017-09-28	Earliest publication 2017-09-28	Family number 059970929
74. LIQUID CRYSTAL DISPLAY									
Title LIQUID CRYSTAL DISPLAY	Inventors HARADA KAZUNORI	Applicants CITIZEN FINEDEVICE CO LTD	Publication number JP2016180895A	Earliest priority 2015-03-24	IPC G02F1/1333	CPC	Publication date 2016-10-13	Earliest publication 2016-10-13	Family number 057132563

		CITIZEN HOLDINGS CO LTD							
75. PIEZOELECTRIC SENSOR									
Title PIEZOELECTRIC SENSOR	Inventors NAKAMURA SATOKATSU	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017096886A	Earliest priority 2015-11-27	IPC G01L9/08	CPC	Publication date 2017-06-01	Earliest publication 2017-06-01	Family number 058818096
76. LENGTH MEASURING DEVICE AND LENGTH MEASURING SYSTEM									
Title LENGTH MEASURING DEVICE AND LENGTH MEASURING SYSTEM	Inventors KUWAYAMA KENJI MIZUKOSHI TETSUYA	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2018173300A	Earliest priority 2017-03-31	IPC G01B5/00	CPC	Publication date 2018-11-08	Earliest publication 2018-11-08	Family number 064108587
77. METHOD FOR MANUFACTURING LIQUID CRYSTAL DISPLAY PANEL									
Title METHOD FOR MANUFACTURING LIQUID CRYSTAL DISPLAY PANEL	Inventors KUBOTA KAZUMA	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2019174573A	Earliest priority 2018-03-27	IPC G02F1/13 G02F1/1339	CPC	Publication date 2019-10-10	Earliest publication 2019-10-10	Family number 068168640
78. PIEZOELECTRIC ELEMENT, PRESSURE DETECTOR, METHOD FOR MEASURING TEMPERATURE OF PIEZOELECTRIC MEMBER, AND METHOD FOR CORRECTING OUTPUT OF PIEZOELECTRIC MEMBER									
Title PIEZOELECTRIC ELEMENT, PRESSURE DETECTOR, METHOD FOR MEASURING TEMPERATURE OF PIEZOELECTRIC MEMBER, AND METHOD FOR CORRECTING OUTPUT OF PIEZOELECTRIC MEMBER	Inventors TAKAHASHI IKUO TAKAHASHI KAZUO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2019174294A	Earliest priority 2018-03-28	IPC G01K1/14 G01K7/02 G01K7/18 G01L19/04 G01L23/10 G01L9/08 H01L35/20 H01L35/32 H01L41/113 H01L41/187	CPC	Publication date 2019-10-10	Earliest publication 2019-10-10	Family number 068166800
79. TEACHER IMAGE GENERATION METHOD OF APPEARANCE INSPECTION DEVICE									
Title TEACHER IMAGE GENERATION METHOD OF APPEARANCE INSPECTION DEVICE	Inventors TADA KOZO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2019215240A	Earliest priority 2018-06-12	IPC G01B11/30 G01N21/84 G06T7/00	CPC	Publication date 2019-12-19	Earliest publication 2019-12-19	Family number 068919058
80. IMAGE DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME									
Title IMAGE DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME	Inventors HARADA KAZUNORI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2018173613A	Earliest priority 2017-03-31	IPC G09F9/00	CPC	Publication date 2018-11-08	Earliest publication 2018-11-08	Family number 064107439

81. MANUFACTURING METHOD OF PIEZOELECTRIC OSCILLATOR									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
MANUFACTURING METHOD OF PIEZOELECTRIC OSCILLATOR	IGUCHI YASUHIRO	CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	JP2016103741A	2014-11-28	H03H3/02		2016-06-02	2016-06-02	056089669
82. LIGHT-EMITTING DEVICE									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
LIGHT-EMITTING DEVICE	MIYAMOTO MITSUNORI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP20171168733A	2016-03-17	H01L33/54 H01L33/60		2017-09-21	2017-09-21	059914031
83. MEASURING DEVICE AND MEASURING SYSTEM									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
MEASURING DEVICE AND MEASURING SYSTEM	KUWAYAMA KENJI MIZUKOSHI TETSUYA	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2019045273A	2017-08-31	G01B5/00 G01B5/02		2019-03-22	2019-03-22	065812682
84. COMBUSTION PRESSURE SENSOR									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
COMBUSTION PRESSURE SENSOR	NAKAGAWA HIROSHI SUDO AKI TANAKA HIROMI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2019027956A	2017-07-31	F02D35/00 G01L23/28		2019-02-21	2019-02-21	065476137
85. REFLECTION TYPE LIQUID CRYSTAL DISPLAY DEVICE									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
REFLECTION TYPE LIQUID CRYSTAL DISPLAY DEVICE	KOSUDA KEIICHI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2020003727A	2018-06-29	G02F1/1335 G02F1/13357		2020-01-09	2020-01-09	069099792
86. MANUFACTURING METHOD OF TUNING-FORK TYPE PIEZOELECTRIC VIBRATION PIECE									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
MANUFACTURING METHOD OF TUNING-FORK TYPE PIEZOELECTRIC VIBRATION PIECE	IGUCHI YASUHIRO	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2017175395A	2016-03-24	H03H3/02		2017-09-28	2017-09-28	059972287
87. PRESSURE DETECTOR AND METHOD FOR MANUFACTURING PRESSURE DETECTOR									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
PRESSURE DETECTOR AND METHOD FOR MANUFACTURING PRESSURE DETECTOR	AEBA TETSUYA IWASHITA TAKASHI NAKAMURA	CITIZEN FINEDEVICE CO LTD CITIZEN	JP2018169255A	2017-03-29	G01L19/14 G01L23/10 G01L23/22		2018-11-01	2018-11-01	064017908

	YUJIRO SUE SATOSHI YAMAGUCHI KAZUAKI	WATCH CO LTD							
88. LIQUID CRYSTAL DISPLAY									
Title LIQUID CRYSTAL DISPLAY	Inventors HANDA MASATO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017026892A	Earliest priority 2015-07-24	IPC G02F1/1333 G02F1/1345	CPC	Publication date 2017-02-02	Earliest publication 2017-02-02	Family number 057949719
89. PRESSURE DETECTOR									
Title PRESSURE DETECTOR	Inventors HACHIMURA TAKAYUKI KUBO TOSHIYA SHIMIZU TATSUSUKE TAKAHASHI KAZUO TANAKA HIROMI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2018105714A	Earliest priority 2016-12-26	IPC G01L23/10	CPC	Publication date 2018-07-05	Earliest publication 2018-07-05	Family number 062787013
90. REFLECTION TYPE LIQUID CRYSTAL DISPLAY DEVICE									
Title REFLECTION TYPE LIQUID CRYSTAL DISPLAY DEVICE	Inventors SEKI KATSUYA	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2019128535A	Earliest priority 2018-01-26	IPC G02F1/1335 G02F1/13357	CPC	Publication date 2019-08-01	Earliest publication 2019-08-01	Family number 067472190
91. Blood pressure meter armband									
Title Blood pressure meter armband	Inventors IIJIMA YOHEI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number CN109124609A	Earliest priority 2017-06-28	IPC A61B5/022	CPC A61B5/02141 (CN) A61B5/022 (CN)	Publication date 2019-01-04	Earliest publication 2019-01-04	Family number 064802239
92. ELECTRONIC VIEWFINDER DEVICE									
Title ELECTRONIC VIEWFINDER DEVICE	Inventors SEKIGUCHI KANETAKA	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	Publication number JP2016062088A	Earliest priority 2014-09-22	IPC G02F1/1335 G02F1/13363	CPC	Publication date 2016-04-25	Earliest publication 2016-04-25	Family number 055797769
93. LIQUID CRYSTAL DISPLAY ELEMENT AND IMAGE PROJECTION SYSTEM									
Title LIQUID CRYSTAL DISPLAY ELEMENT AND IMAGE PROJECTION SYSTEM	Inventors OISHI MASAKI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	Publication number JP2016114854A	Earliest priority 2014-12-16	IPC G02F1/13 G02F1/133 G09G3/20 G09G3/36 G09G5/00	CPC	Publication date 2016-06-23	Earliest publication 2016-06-23	Family number 056141657

94. IMAGE DISPLAY DEVICE									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
IMAGE DISPLAY DEVICE	HANDA MASATO	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2018173568A	2017-03-31	G02F1/1339 G09F9/30		2018-11-08	2018-11-08	064107398
95. HIGH-ACCURACY SUBMOUNT SUBSTRATE AND MANUFACTURING METHOD THEREOF									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
HIGH-ACCURACY SUBMOUNT SUBSTRATE AND MANUFACTURING METHOD THEREOF	CHOKAI KAZUHIRO KUBO TOSHIYA TSUCHIYA JUNJI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2017045952A	2015-08-28	H01L21/301 H01L31/02 H01S5/022		2017-03-02	2017-03-02	058210244
96. SAMPLE LOADING PLATE AND MANUFACTURING METHOD OF SAME									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
SAMPLE LOADING PLATE AND MANUFACTURING METHOD OF SAME	FUKUMOTO SATORU [JP] MIYAMOTO MITSUNORI [JP] TORIUMI KAZUHIRO [JP]	CITIZEN FINEDEVICE CO LTD [JP] CITIZEN WATCH CO LTD [JP]	WO2017159879A1	2016-03-18	G01N27/62	B01L3/5085 (US) H01J49/0418 (EP,US) B01J2219/00527 (EP,US) B01J2219/00612 (EP,US) B01J2219/00619 (EP,US) B01J2219/00653 (EP,US) B01J2219/00659 (EP,US) H01J49/164 (EP)	2017-09-21	2017-09-21	059851663
97. PRESSURE DETECTION DEVICE									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
PRESSURE DETECTION DEVICE	NAKAGAWA HIROSHI SUDO AKI YOSHINARI HIROKI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2019174392A	2018-03-29	F02D35/00 G01L19/06 G01L19/14 G01L23/10 G01L23/24 G01L9/08 H01L41/113		2019-10-10	2019-10-10	068170355
98. ELECTRONIC VIEW FINDER USING REFLECTION-TYPE LIQUID CRYSTAL DISPLAY ELEMENT									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
ELECTRONIC VIEW FINDER USING REFLECTION-TYPE LIQUID CRYSTAL DISPLAY ELEMENT	KOSUDA KEIICHI	CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	JP2016103742A	2014-11-28	G03B13/02 H04N5/225		2016-06-02	2016-06-02	056089681
99. LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
LIQUID CRYSTAL DISPLAY DEVICE AND METHOD FOR MANUFACTURING THE SAME	HANDA MASATO	CITIZEN FINEDEVICE CO LTD CITIZEN	JP2017106971A	2015-12-07	G02F1/1333		2017-06-15	2017-06-15	059060620

		WATCH CO LTD							
100. ELECTRONIC VIEWFINDER									
Title ELECTRONIC VIEWFINDER	Inventors ARIMA MASANORI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	Publication number JP2015175949A	Earliest priority 2014-03-14	IPC G02F1/13 G02F1/1335 G03B13/06 H04N5/225	CPC	Publication date 2015-10-05	Earliest publication 2015-10-05	Family number 054255209
101. SAMPLE LOADING PLATE									
Title SAMPLE LOADING PLATE	Inventors CHOKAI KAZUHIRO FUKUMOTO SATORU MIYAMOTO MITSUNORI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	Publication number JP2015197305A	Earliest priority 2014-03-31	IPC G01N27/62	CPC	Publication date 2015-11-09	Earliest publication 2015-11-09	Family number 054547102
102. SUBSTRATE AND METHOD FOR MANUFACTURING SUBSTRATE									
Title SUBSTRATE AND METHOD FOR MANUFACTURING SUBSTRATE	Inventors KUBO TOSHIYA TSUCHIYA JUNJI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	Publication number JP2016103564A	Earliest priority 2014-11-28	IPC B24B27/06 H01L21/301 H01L21/304 H01L23/12 H01S5/022	CPC	Publication date 2016-06-02	Earliest publication 2016-06-02	Family number 056089182
103. PIEZOELECTRIC VIBRATOR									
Title PIEZOELECTRIC VIBRATOR	Inventors NAKAMURA TSUYOSHI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017183972A	Earliest priority 2016-03-30	IPC H03H9/19 H03H9/215	CPC	Publication date 2017-10-05	Earliest publication 2017-10-05	Family number 060007762
104. PRESSURE DETECTION DEVICE AND PRESSURE DETECTION SYSTEM									
Title PRESSURE DETECTION DEVICE AND PRESSURE DETECTION SYSTEM	Inventors AIBA TETSUYA KANAMORI YUTA NAKAGAWA HIROSHI SATOH YUSUKE TAKAHASHI IKUO TAKAHASHI KAZUO YOMOYAMA MASANORI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number CN108700483A	Earliest priority 2016-02-25	IPC G01L19/14 G01L23/10 G01L23/22	CPC G01L19/0627 (EP) G01L19/0645 (EP) G01L19/069 (EP) G01L19/14 (EP,US) G01L23/10 (EP,US) G01L23/22 (US)	Publication date 2018-10-23	Earliest publication 2017-08-31	Family number 059686549
105. LIQUID CRYSTAL DISPLAY APPARATUS									
Title LIQUID CRYSTAL DISPLAY APPARATUS	Inventors SHIMIZU NOBUYUKI [JP]	Applicants CITIZEN FINEDEVICE CO LTD [JP] CITIZEN	Publication number WO2018016647A1	Earliest priority 2016-07-21	IPC G02F1/133 G02F1/1333 G02F1/1345	CPC G02F1/133 (EP) G02F1/1333 (EP) G02F1/1345 (EP)	Publication date 2018-01-25	Earliest publication 2018-01-25	Family number 060993099

		WATCH CO LTD [JP]							
106. REFLECTION TYPE LIQUID CRYSTAL DISPLAY									
Title REFLECTION TYPE LIQUID CRYSTAL DISPLAY	Inventors SEKI KATSUYA	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017146403A	Earliest priority 2016-02-16	IPC G02F1/1335	CPC	Publication date 2017-08-24	Earliest publication 2017-08-24	Family number 059681394
107. FUNCTIONAL COMPONENT, AND REMOVAL METHOD OF FUNCTIONAL COMPONENT									
Title FUNCTIONAL COMPONENT, AND REMOVAL METHOD OF FUNCTIONAL COMPONENT	Inventors SOGA YOSHIHIKO TAKAHASHI KAZUO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017181469A	Earliest priority 2016-03-31	IPC F02D35/00 F16J15/06 G01L23/10 G01L23/26	CPC	Publication date 2017-10-05	Earliest publication 2017-10-05	Family number 060005404
108. LIQUID CRYSTAL PANEL AND METHOD FOR MANUFACTURING THE SAME									
Title LIQUID CRYSTAL PANEL AND METHOD FOR MANUFACTURING THE SAME	Inventors HANDA MASATO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017138528A	Earliest priority 2016-02-05	IPC G02F1/13 G02F1/1333	CPC	Publication date 2017-08-10	Earliest publication 2017-08-10	Family number 059565878
109. PRESSURE DETECTION DEVICE									
Title PRESSURE DETECTION DEVICE	Inventors NAKAMURA RIKOKU [JP] SATSUTA HITOSHI [JP] YOMOYAMA MASANORI [JP]	Applicants CITIZEN FINEDEVICE CO LTD [JP] CITIZEN HOLDINGS CO LTD [JP]	Publication number US2017131170A1	Earliest priority 2014-03-27	IPC G01L23/10 G01L23/20	CPC G01L23/10 (EP,US) G01L23/20 (EP,US)	Publication date 2017-05-11	Earliest publication 2015-10-01	Family number 054195571
110. MANUFACTURING METHOD FOR IMAGE DISPLAY DEVICE									
Title MANUFACTURING METHOD FOR IMAGE DISPLAY DEVICE	Inventors HARADA KAZUNORI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2019066669A	Earliest priority 2017-09-29	IPC G02F1/13 G02F1/1333 G09F9/00	CPC	Publication date 2019-04-25	Earliest publication 2019-04-25	Family number 066338292
111. REFLECTION TYPE LIQUID CRYSTAL DISPLAY DEVICE									
Title REFLECTION TYPE LIQUID CRYSTAL DISPLAY DEVICE	Inventors ANDO TOMOHIRO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017146529A	Earliest priority 2016-02-19	IPC G02F1/1335 G02F1/1333 G02F1/13357	CPC	Publication date 2017-08-24	Earliest publication 2017-08-24	Family number 059683078
112. METHOD OF PRODUCING CERAMIC MOLDING									
Title METHOD OF PRODUCING CERAMIC MOLDING	Inventors YAMAMOTO TAKASHI	Applicants CITIZEN FINEDEVICE	Publication number JP2015189611A	Earliest priority 2014-03-27	IPC B28B3/00 C04B35/622	CPC	Publication date 2015-11-02	Earliest publication 2015-11-02	Family number 054424443

		CO LTD CITIZEN HOLDINGS CO LTD							
113. REFLECTION TYPE LIQUID CRYSTAL DISPLAY DEVICE									
Title REFLECTION TYPE LIQUID CRYSTAL DISPLAY DEVICE	Inventors NAKAMURA MANABU	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	Publication number JP2016142757A	Earliest priority 2015-01-29	IPC G02B5/00 G02F1/1335 G02F1/13357	CPC	Publication date 2016-08-08	Earliest publication 2016-08-08	Family number 056568586
114. MANUFACTURING METHOD FOR SUB-MOUNT									
Title MANUFACTURING METHOD FOR SUB- MOUNT	Inventors CHOKAI KAZUHIRO KUBO TOSHIYA TSUCHIYA JUNJI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017059732A	Earliest priority 2015-09-18	IPC H01L21/301 H01S5/022	CPC	Publication date 2017-03-23	Earliest publication 2017-03-23	Family number 058390357
115. TUNING FORK TYPE PIEZOELECTRIC VIBRATING PIECE									
Title TUNING FORK TYPE PIEZOELECTRIC VIBRATING PIECE	Inventors NAKAMURA TSUYOSHI SAKURAI HIDENORI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2019083431A	Earliest priority 2017-10-31	IPC H03H9/19	CPC	Publication date 2019-05-30	Earliest publication 2019-05-30	Family number 066670626
116. Pressure-detecting device									
Title Pressure-detecting device	Inventors NAKAMURA RIKOKU SATSUTA HITOSHI YOMOYAMA MASANORI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	Publication number CN106415228A	Earliest priority 2014-03-27	IPC G01L23/10 G01L23/20 G01L23/22 G01L9/00 G01L9/08	CPC F02D35/023 (EP,US) G01L23/10 (EP,US) G01L23/225 (EP) G01L9/08 (EP)	Publication date 2017-02-15	Earliest publication 2015-10-01	Family number 054195569
117. DETECTION DEVICE AND CIRCUIT SUBSTRATE									
Title DETECTION DEVICE AND CIRCUIT SUBSTRATE	Inventors AEBA TETSUYA KANAMORI YUTA	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2018165672A	Earliest priority 2017-03-28	IPC G01L23/10 G01L9/08	CPC	Publication date 2018-10-25	Earliest publication 2018-10-25	Family number 063922879
118. SAMPLE LOADING PLATE AND METHOD FOR MANUFACTURING SAME									
Title SAMPLE LOADING PLATE AND METHOD FOR MANUFACTURING SAME	Inventors KURATOMI TOMOKI [JP] TORIUMI KAZUHIRO [JP]	Applicants CITIZEN FINEDEVICE CO LTD [JP] CITIZEN WATCH CO LTD [JP]	Publication number WO2017159878A1	Earliest priority 2016-03-18	IPC G01N27/62 G01N27/64	CPC H01J49/0418 (EP,US) H01J49/164 (EP,US)	Publication date 2017-09-21	Earliest publication 2017-09-21	Family number 059851974
119. MANUFACTURING METHOD FOR PIEZOELECTRIC VIBRATOR									
Title	Inventors SONE TAKUMA	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number

MANUFACTURING METHOD FOR PIEZOELECTRIC VIBRATOR		CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2019186894A	2018-04-17	H03H3/02 H03H9/19		2019-10-24	2019-10-24	068337746
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120. CYLINDER INTERNAL PRESSURE DETECTING DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
CYLINDER INTERNAL PRESSURE DETECTING DEVICE	AEBA TETSUYA KANAMORI YUTA SUE SATOSHI TAKAHASHI IKUO	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2017075914A	2015-10-16	F02D35/00 F02D45/00 G01L23/26		2017-04-20	2017-04-20	058550192

121. LIQUID CRYSTAL DISPLAY DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
LIQUID CRYSTAL DISPLAY DEVICE	SEKIGUCHI KANETAKA	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2017181745A	2016-03-30	G02F1/1333 G02F1/1335 G02F1/13357		2017-10-05	2017-10-05	060005937

122. LIQUID CRYSTAL DISPLAY DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
LIQUID CRYSTAL DISPLAY DEVICE	TEJIMA YOSHIRO	CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	JP2016109709A	2014-12-02	G02F1/1333 G02F1/1345 G09F9/00		2016-06-20	2016-06-20	056123952

123. REFLECTIVE LIQUID CRYSTAL DISPLAY DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
REFLECTIVE LIQUID CRYSTAL DISPLAY DEVICE	NAKAYAMA TAKESHI SEKI KATSUYA	CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	JP2016102972A	2014-11-28	G02F1/1335 G02F1/13357		2016-06-02	2016-06-02	056088940

124. COMBUSTION PRESSURE SENSOR

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
COMBUSTION PRESSURE SENSOR	IWASHITA TAKASHI [JP] TAKAHASHI KAZUO [JP]	CITIZEN FINEDEVICE CO LTD [JP] CITIZEN HOLDINGS CO LTD [JP]	WO2016152429A1	2015-03-24	G01L23/22 F02D35/00	G01L23/22 (EP,US) F02D35/00 (EP)	2016-09-29	2016-09-29	056979083

125. METHOD OF MANUFACTURING CRYSTAL OSCILLATOR

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
METHOD OF MANUFACTURING CRYSTAL OSCILLATOR	FUKUMOTO SATORU OKAMOTO KYOICHI SHIGETA EIJI YAMAURA TOMOAKI	CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	JP2016086233A	2014-10-23	H03H3/02		2016-05-19	2016-05-19	055973874

126. CHIP COMPONENT MANUFACTURING METHOD									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
CHIP COMPONENT MANUFACTURING METHOD	CHOKAI KAZUHIRO KUBO TOSHIYA TSUCHIYA JUNJI	CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	JP2016103551A	2014-11-28	H01L21/3065 H01L23/14 H01S5/022		2016-06-02	2016-06-02	056089167
127. METHOD FOR MANUFACTURING METAL WIRING-ATTACHED POROUS CERAMIC SUBSTRATE									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
METHOD FOR MANUFACTURING METAL WIRING-ATTACHED POROUS CERAMIC SUBSTRATE	MURATA KAZUO	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2017204602A	2016-05-13	C04B38/04 C04B41/88 C04B41/91 H05K3/12		2017-11-16	2017-11-16	060322973
128. MANUFACTURING METHOD OF LIQUID CRYSTAL DISPLAY DEVICE									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
MANUFACTURING METHOD OF LIQUID CRYSTAL DISPLAY DEVICE	HARADA KAZUNORI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2018054811A	2016-09-28	G02F1/13 G02F1/1333 G02F1/1345		2018-04-05	2018-04-05	061836631
129. PRESSURE DETECTION DEVICE AND INTERNAL COMBUSTION WITH PRESSURE DETECTION DEVICE									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
PRESSURE DETECTION DEVICE AND INTERNAL COMBUSTION WITH PRESSURE DETECTION DEVICE	SUDO AKI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2018084561A	2016-11-25	F02D35/00 G01L23/22		2018-05-31	2018-05-31	062238207
130. MANUFACTURING METHOD OF WORKPIECE									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
MANUFACTURING METHOD OF WORKPIECE	SHIOZAWA SHINYA	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2018171687A	2017-03-31	B24B33/02 B24B5/18 B24B5/40		2018-11-08	2018-11-08	064106888
131. PIEZOELECTRIC SENSOR									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
PIEZOELECTRIC SENSOR	NAKAMURA RIKOKU [JP] YOMOYAMA MASANORI [JP]	CITIZEN FINEDEVICE CO LTD [JP] CITIZEN WATCH CO LTD [JP]	WO2017164183A1	2016-03-24	G01L23/10 G01L23/22 G01L27/02	G01L23/10 (EP) G01L27/002 (EP) G01L27/005 (US) G01L9/06 (US) G01L9/08 (EP) H01L41/042 (EP)	2017-09-28	2017-09-28	059899507
132. DETECTING DEVICE AND DETECTING SYSTEM									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
DETECTING DEVICE AND DETECTING SYSTEM	AIBA TETSUYA [JP] KANAMORI YUTA [JP] SUE SATOSHI [JP]	CITIZEN FINEDEVICE CO LTD [JP] CITIZEN	WO2017154627A1	2016-03-09	G01D21/00 G01D3/028 G01L23/10 G01L23/22	F02B77/085 (US) G01D3/08 (EP) G01L19/0084 (EP) G01L23/10 (EP,US)	2017-09-14	2017-09-14	059789381

	YOMOYAMA MASANORI [JP]	WATCH CO LTD [JP]			G01L9/00 G12B17/02	G01L23/22 (EP,US) G12B17/02 (EP)			
133. MANUFACTURING METHOD FOR SUB-MOUNT									
Title MANUFACTURING METHOD FOR SUB- MOUNT	Inventors CHOKAI KAZUHIRO KUBO TOSHIYA TSUCHIYA JUNJI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2017069384A	Earliest priority 2015-09-30	IPC B08B3/08 G11B5/31 H01L23/14 H01L23/36 H01S5/022	CPC	Publication date 2017-04-06	Earliest publication 2017-04-06	Family number 058492922
134. ILLUMINATION DEVICE, STRUCTURED ILLUMINATION DEVICE AND STRUCTURED ILLUMINATION MICROSCOPE DEVICE									
Title ILLUMINATION DEVICE, STRUCTURED ILLUMINATION DEVICE AND STRUCTURED ILLUMINATION MICROSCOPE DEVICE	Inventors HANDA MASATO KONDO MASAYA NAKAMURA MANABU TSURUMUNE TOKUJI	Applicants CITIZEN FINEDEVICE CO LTD NIKON CORP	Publication number JP2019179192A	Earliest priority 2018-03-30	IPC G02B21/06 G02B27/28 G02B5/18	CPC	Publication date 2019-10-17	Earliest publication 2019-10-17	Family number 068278406
135. SEMICONDUCTOR ELEMENT HEAT DISSIPATION STRUCTURE									
Title SEMICONDUCTOR ELEMENT HEAT DISSIPATION STRUCTURE	Inventors NAKAMURA MANABU	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	Publication number JP2016139641A	Earliest priority 2015-01-26	IPC H01L23/40 H05K7/20	CPC H01L2224/48091 (EP) H01L2224/73265 (EP) H01L2224/48091, H01L2924/00014, ADD (EP)	Publication date 2016-08-04	Earliest publication 2016-08-04	Family number 056559288
136. METHOD OF MANUFACTURING PRESSURE DETECTOR, AND PRESSURE DETECTOR									
Title METHOD OF MANUFACTURING PRESSURE DETECTOR, AND PRESSURE DETECTOR	Inventors HACHIMURA TAKAYUKI KUBO TOSHIYA SHIMIZU TATSUSUKE TANAKA HIROMI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2018105715A	Earliest priority 2016-12-26	IPC G01L23/10	CPC	Publication date 2018-07-05	Earliest publication 2018-07-05	Family number 062785652
137. METHOD FOR MANUFACTURING LIQUID CRYSTAL DISPLAY ELEMENT									
Title METHOD FOR MANUFACTURING LIQUID CRYSTAL DISPLAY ELEMENT	Inventors SHIGEFUJI YASUHIRO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	Publication number JP2018087912A	Earliest priority 2016-11-29	IPC G02F1/1341	CPC	Publication date 2018-06-07	Earliest publication 2018-06-07	Family number 062493012
138. SAMPLE LOADING PLATE									
Title SAMPLE LOADING PLATE	Inventors CHOKAI KAZUHIRO MIYAMOTO MITSUNORI	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD	Publication number JP2016145746A	Earliest priority 2015-02-06	IPC G01N27/64 G01N27/62	CPC	Publication date 2016-08-12	Earliest publication 2016-08-12	Family number 056686278

139. LIQUID CRYSTAL DISPLAY ELEMENT									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
LIQUID CRYSTAL DISPLAY ELEMENT	YOSHIDA EIJI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD	JP2019179177A	2018-03-30	G02F1/1337 G02F1/141		2019-10-17	2019-10-17	068278411
140. IN-CYLINDER PRESSURE DETECTING APPARATUS									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
IN-CYLINDER PRESSURE DETECTING APPARATUS	AIBA TETSUYA [JP] AKAZAKI SHUSUKE [JP] HAYASHI TAKAYUKI [JP] TAKAHASHI KAZUO [JP] YOMOYAMA MASANORI [JP]	CITIZEN HOLDINGS CO LTD [JP] CITIZEN FINEDEVICE CO LTD [JP] HONDA MOTOR CO LTD [JP] CITIZEN WATCH CO LTD [JP]	US10221782B2	2014-04-04	F02M51/06 F02D35/02 F02D41/28 F02M57/00 F02M51/06	F02D35/023 (EP,US) F02D41/28 (EP,US) F02M51/0671 (EP,US) F02M57/005 (EP,US) F02D2041/281 (EP,US) F02D2041/283 (EP,US) F02M2200/16 (EP,US) F02M2200/8046 (EP,US) F02M51/061 (EP,US)	2016-08-04	2015-12-16	054804299
141. COMBUSTION PRESSURE SENSOR									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
COMBUSTION PRESSURE SENSOR	HAYASHI TAKAYUKI [JP] TAKAHASHI KAZUO [JP]	CITIZEN FINETECH MIYOTA CO LTD [JP] CITIZEN HOLDINGS CO LTD [JP] CITIZEN FINEDEVICE CO LTD [JP]	EP2891872A1	2012-08-29	G01L23/08 G01L23/10 G01L23/22 G01L23/26	G01L23/08 (EP,US) G01L23/26 (EP,US) G01M15/08 (US)	2015-07-08	2014-03-06	050183452
142. DISCONNECTION SENSING CIRCUIT FOR PRESSURE DETECTION DEVICE									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
DISCONNECTION SENSING CIRCUIT FOR PRESSURE DETECTION DEVICE	AIBA TETSUYA [JP] KANAMORI YUTA [JP] NAKAMURA RIKOKU [JP] YOMOYAMA MASANORI [JP]	CITIZEN HOLDINGS CO LTD [JP] CITIZEN FINEDEVICE CO LTD [JP] CITIZEN WATCH CO LTD [JP]	EP3124939A1	2014-03-27	G01L19/12 G01L9/00 G01R31/02 G08C25/00	G01L19/083 (US) G01L19/12 (EP,US) G01L23/225 (EP,US)	2017-02-01	2015-10-01	054195573
143. COMBUSTION PRESSURE SENSOR AND METHOD OF MANUFACTURING SAME									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
COMBUSTION PRESSURE SENSOR AND METHOD OF MANUFACTURING SAME	SOGA YOSHIHIKO [JP]	CITIZEN FINEDEVICE CO LTD [JP] CITIZEN	US10458328B2	2014-03-27	B23K26/24 F02B77/08 G01L19/14 G01L9/08	B23K26/24 (US) F02B77/085 (US) G01L19/0645 (EP,US)	2017-05-11	2015-10-01	054195572

	TAKAHASHI KAZUO [JP]	HOLDINGS CO LTD [JP] CITIZEN WATCH CO LTD [JP]			G01M15/08 G01L19/06 G01L23/10 G10L19/06	G01L19/142 (US) G01L23/10 (EP,US) G01L9/08 (US) G01M15/08 (US)			
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144. INTERNAL COMBUSTION ENGINE FITTED WITH COMBUSTION PRESSURE DETECTION DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
INTERNAL COMBUSTION ENGINE FITTED WITH COMBUSTION PRESSURE DETECTION DEVICE	MISAIZU TSUYOSHI [JP] SOGA YOSHIHIKO [JP] TAKAHASHI KAZUO [JP] TAKAHASI KAZUO [JP]	CITIZEN FINETECH MIYOTA CO LTD [JP] CITIZEN HOLDINGS CO LTD [JP] CITIZEN FINEDEVICE CO LTD [JP] CITIZEN WATCH CO LTD [JP]	EP2827117A1	2012-03-16	G01L19/06 G01L23/10 G01L23/22	F02B23/00 (US) F02D35/023 (US) F16J15/0881 (EP) G01L19/0672 (EP) G01L23/10 (US) G01L23/22 (EP,US) G01L9/008 (EP,US)	2015-01-21	2013-09-19	049161328

145. CYLINDER-PRESSURE DETECTING DEVICE

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
CYLINDER-PRESSURE DETECTING DEVICE	AIBA TETSUYA [JP] AKAZAKI SHUSUKE [JP] KITAMURA DAISUKE [JP] KUBA SHIGEO [JP] NAKATANI SHINYA [JP] TAKAHASHI TAKUMI [JP] TAKAOKU ATSUSHI [JP] YADE NORIIHIRO [JP]	CITIZEN FINEDEVICE CO LTD [JP] CITIZEN HOLDINGS CO LTD [JP] HITACHI AUTOMOTIVE SYSTEMS LTD [JP] HONDA MOTOR CO LTD [JP]	WO2016125637A1	2015-02-03	F02M57/00 G01L23/08 G01L23/22	F02M57/00 (EP) G01L23/08 (EP) G01L23/22 (EP)	2016-08-11	2016-08-11	056563987

146. CYLINDER INTERNAL PRESSURE DETECTOR

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
CYLINDER INTERNAL PRESSURE DETECTOR	AEBA TETSUYA AKASAKI NAOSUKE YOMOYAMA MASANORI	CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD HONDA MOTOR CO LTD	JP2015215329A	2014-04-21	F02D35/00 G01L23/08 G01L23/22		2015-12-03	2015-12-03	054752326

147. IN-CYLINDER PRESSURE DETECTING APPARATUS

Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
IN-CYLINDER PRESSURE DETECTING APPARATUS	AIBA TETSUYA [JP] AKAZAKI SHUSUKE [JP] SUE SATOSHI [JP] TAKAHASHI KAZUO [JP] YOMOYAMA	CITIZEN FINEDEVICE CO LTD [JP] CITIZEN HOLDINGS CO LTD [JP] HONDA MOTOR CO LTD [JP]	US2017108408A1	2015-10-16	F02B77/08 F02M57/00 F02M61/14 G01M15/08	F02B77/085 (EP,US) F02M51/005 (EP) F02M57/005 (EP,US) F02M61/14 (US) G01L23/22 (EP) G01M15/08 (US)	2017-04-20	2017-04-20	058522930

	MASANORI [JP]					F02M2200/247 (EP,US)			
148. FUEL INJECTOR									
Title FUEL INJECTOR	Inventors AKASAKI NAOSUKE HAYASHI TAKAYUKI TAKAHASHI KAZUO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN HOLDINGS CO LTD HONDA MOTOR CO LTD	Publication number JP2015200192A	Earliest priority 2014-04-04	IPC F02M51/00 F02M61/14	CPC	Publication date 2015-11-12	Earliest publication 2015-11-12	Family number 054551700
149. SAMPLE MOUNTING PLATE									
Title SAMPLE MOUNTING PLATE	Inventors MIYAMOTO MITSUNORI [JP] SHIMIZU KENJI [JP] TORIUMI KAZUHIRO [JP]	Applicants CITIZEN HOLDINGS CO LTD [JP] CITIZEN FINEDEVICE CO LTD [JP] CITIZEN WATCH CO LTD [JP]	Publication number US2016141166A1	Earliest priority 2013-08-07	IPC H01J49/04	CPC H01J49/0418 (EP,US)	Publication date 2016-05-19	Earliest publication 2015-02-12	Family number 052461200
150. IN-CYLINDER PRESSURE DETECTION DEVICE									
Title IN-CYLINDER PRESSURE DETECTION DEVICE	Inventors AIBA TETSUYA [JP] AKAZAKI SHUSUKE [JP] HAYASHI TAKAYUKI [JP] TAKAHASHI KAZUO [JP] YOMOYAMA MASANORI [JP]	Applicants CITIZEN FINEDEVICE CO LTD [JP] CITIZEN HOLDINGS CO LTD [JP] HONDA MOTOR CO LTD [JP]	Publication number WO2015151994A1	Earliest priority 2014-04-04	IPC F02M51/00 F02M61/14	CPC F02M51/0671 (EP) F02M57/005 (EP) F02M69/045 (EP) F02M2200/247 (EP) F02M2200/858 (EP)	Publication date 2015-10-08	Earliest publication 2015-10-08	Family number 054240320
151. PRESSURE DETECTION DEVICE AND PIEZOELECTRIC ELEMENT									
Title PRESSURE DETECTION DEVICE AND PIEZOELECTRIC ELEMENT	Inventors DOBASHI TOSHIYUKI NISHIJIMA HIROTAKA OKADA HIDETOSHI SOGA YOSHIHIKO SUDO AKI TAKAHASHI IKUO TAKAHASHI KAZUO	Applicants CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD TOYOTA MOTOR CORP	Publication number JP2017181191A	Earliest priority 2016-03-29	IPC G01L23/10 H01L41/047 H01L41/113 H01L41/187	CPC	Publication date 2017-10-05	Earliest publication 2017-10-05	Family number 060006899
152. COMBUSTION PRESSURE SENSOR									
Title COMBUSTION PRESSURE SENSOR	Inventors NAKAGAWA HIROSHI [JP] TAKAHASHI KAZUO [JP]	Applicants CITIZEN FINEDEVICE CO LTD [JP] CITIZEN	Publication number WO2016121723A1	Earliest priority 2015-01-29	IPC F02D35/00 G01L23/22	CPC F02D35/00 (EP) G01L23/22 (EP)	Publication date 2016-08-04	Earliest publication 2016-08-04	Family number 056543336

	YASUDA HIROMICHI [JP]	HOLDINGS CO LTD [JP] TOYOTA MOTOR CO LTD [JP]							
153. Druckerfassungsvorrichtung, damit ausgestatteter Verbrennungsmotor und Verfahren zu deren Herstellung									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
Druckerfassungsvorrichtung, damit ausgestatteter Verbrennungsmotor und Verfahren zu deren Herstellung	NAGAI MASAKATSU [JP] SASAKI KEISUKE [JP] SATOH YUSUKE [JP] SUDO AKI [JP] TAKAHASHI KAZUO [JP]	CITIZEN FINEDEVICE CO LTD [JP] CITIZEN WATCH CO LTD [JP] TOYOTA MOTOR CO LTD [JP]	DE102017122244A1	2016-09-27	G01L23/10 G01L9/08	G01L23/10 (EP,US) G01L23/222 (US)	2018-03-29	2018-03-29	061564055
154. COMBUSTION PRESSURE DETECTION DEVICE, AND INTERNAL COMBUSTION ENGINE EQUIPPED WITH COMBUSTION PRESSURE DETECTION DEVICE									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
COMBUSTION PRESSURE DETECTION DEVICE, AND INTERNAL COMBUSTION ENGINE EQUIPPED WITH COMBUSTION PRESSURE DETECTION DEVICE	MISAIZU TSUYOSHI [JP] SOGA YOSHIHIKO [JP] TAKAHASHI KAZUO [JP] YASUDA HIROMICHI [JP]	CITIZEN FINETECH MIYOTA CO LTD [JP] TOYOTA MOTOR CO LTD [JP] CITIZEN FINEDEVICE CO LTD [JP]	EP2821625A1	2012-02-27	F02B23/00 F02D35/00 F02D35/02 G01L23/10	G01L23/10 (EP,US) G01M15/08 (US) F02D35/023 (EP,US)	2015-01-07	2013-09-05	049082677
155. CYLINDER INTERNAL PRESSURE SENSOR, AND INTERNAL COMBUSTION ENGINE									
Title	Inventors	Applicants	Publication number	Earliest priority	IPC	CPC	Publication date	Earliest publication	Family number
CYLINDER INTERNAL PRESSURE SENSOR, AND INTERNAL COMBUSTION ENGINE	NAGAI MASAKATSU SASAKI KEISUKE SUDO AKI YOSHINARI HIROKI	CITIZEN FINEDEVICE CO LTD CITIZEN WATCH CO LTD TOYOTA MOTOR CORP	JP2018169345A	2017-03-30	F02D35/00 G01L23/26		2018-11-01	2018-11-01	064019184