

No	Title of the invention	Patentee	Patent number	Registration date	Publication number	Publication date
1	HYDROGEN GAS SENSOR AND ITS MANUFACTURING METHOD	JAPAN SCIENCE AND TECHNOLOGY AGENCY	JPB3906392	2007.01.26	JPA2004-28838	2004.01.29
2	PROTON EXCHANGE FILM AND ITS FORMING METHOD	JAPAN SCIENCE AND TECHNOLOGY AGENCY	JPB4182395	2008.09.12	JPA2004-31173	2004.01.29
3	ANODE ELECTRODE FOR FUEL CELL AND MANUFACTURING METHOD OF THE SAME	JAPAN SCIENCE AND TECHNOLOGY AGENCY	JPB4129763	2008.05.30	JPA2004-31174	2004.01.29
4	HUMIDITY SENSOR AND ITS MANUFACTURING METHOD	JAPAN SCIENCE AND TECHNOLOGY AGENCY	JPB4000562	2007.08.24	JPA2004-28839	2004.01.29
5	HYDROGEN STORAGE BODY	JAPAN SCIENCE AND TECHNOLOGY AGENCY			JPA2004-27346	2004.01.29
6	POLYMER, COMPOSITE MATERIAL AND DEVICE USING THE COMPOSITE MATERIAL	KYUSHU UNIVERSITY			JPA2005-272738	2005.10.06
7	ALLOY PARTICLE AND PRODUCTION METHOD THEREFOR	KYUSHU UNIVERSITY			JPA2005-272970	2005.10.06
8	ION CONDUCTIVE PARTICULATE, ITS MANUFACTURING METHOD AND ELECTROCHEMICAL DEVICE USING IT	KYUSHU UNIVERSITY	JPB4238369	2009.01.09	JPA2007-73431	2007.03.22
9	FUEL CELL ELECTRODE AND FUEL CELL	KYUSHU UNIVERSITY	JPB4257435	2009.02.13	JPA2007-149436	2007.06.14
10	CATALYST FOR FUEL CELL AND MANUFACTURING METHOD OF THE SAME	ASAHI KASEI CORP, KYUSHU UNIVERSITY			JPA2007-173173	2007.07.05
11	HYDROGEN STORAGE ALLOY	KYUSHU UNIVERSITY			JPA2007-239052	2007.09.20
12	METHOD FOR PRODUCING ALLOY NANOPARTICLE AND HYDROGEN STORAGE ALLOY	KYUSHU UNIVERSITY	JPB4257981	2009.02.20	JPA2007-239053	2007.09.20
13	COMPOSITE BODY OBTAINED BY INCLUDING METAL PARTICULATE WITH POLYSACCHARIDE, AND ITS APPLIED PRODUCT	UNIV KINKI			JPA2008-81750	2008.04.10
14	ELECTRONIC DEVICE	KYUSHU UNIVERSITY			JPA2008-224305	2008.09.25
15	HYDROGEN STORAGE BODY, HYDROGEN STORAGE APPARATUS USING THE SAME, HYDROGEN SENSOR, NICKEL NANO-PARTICLE AND ITS MANUFACTURING METHOD	KYUSHU UNIVERSITY			JPA2008-266690	2008.11.06
16	METAL COMPLEX THIN FILM AND MANUFACTURING METHOD THEREOF	KYUSHU UNIVERSITY			JPA2009-28965	2009.02.12
17	CATALYST FOR FUEL CELL, AND ITS MANUFACTURING METHOD	ASAHI KASEI CORP, KYUSHU UNIVERSITY	JPB5213397	2013.03.08	JPA2009-70773	2009.04.02
18	ORGANOMETALLIC COMPLEX, THREE-DIMENSIONAL STRUCTURE AND PRODUCTION METHOD OF THESE	KYUSHU UNIVERSITY			JPA2010-59111	2010.03.18
19	SILVER-RHODIUM ALLOY FINE PARTICLE AND METHOD FOR PRODUCING THE SAME	JAPAN SCIENCE AND TECHNOLOGY AGENCY			JPA2010-100899	2010.05.06
20	METHOD FOR PRODUCING FINE PARTICLE CONTAINING TITANIUM ATOM HAVING LOW VALENC	JAPAN SCIENCE AND TECHNOLOGY AGENCY	JPB5544080	2014.05.16	JPA2010-126782	2010.06.10
21	HYDROGEN STORAGE ALLOY	KYUSHU UNIVERSITY			JPA2009-84700	2009.04.23
22	GOLD FINE PARTICLE MODIFIED WITH METAL COMPLEX	JAPAN SCIENCE AND TECHNOLOGY AGENCY	JPB5129110	2012.11.09	JPA2010-150629	2010.07.08
23	ION CONDUCTIVE MEMBRANE	JAPAN SCIENCE AND TECHNOLOGY AGENCY			JPA2010-199028	2010.09.09
24	COORDINATION POLYMER USING PENTAERYTHRITOL DERIVATIVE AND METHOD FOR PRODUCING THE SAME	JAPAN SCIENCE AND TECHNOLOGY AGENCY	JPB4870182	2011.11.25	JPA2009-242386	2009.10.22
25	SILVER IODIDE FINE PARTICLE, METHOD FOR PRODUCING THE SAME, AND ELECTROCHEMICAL DEVICE USING THE SAME	KYUSHU UNIVERSITY			JPA2010-260759	2010.11.18
26	FIBROUS NICKEL AND METHOD FOR PRODUCING THE SAME	KYUSHU UNIVERSITY	JPB5629959	2014.10.17	WO2010/079781	2010.07.15
27	FINE SOLID SOLUTION ALLOY PARTICLES AND METHOD FOR PRODUCING SAME	JAPAN SCIENCE AND TECHNOLOGY AGENCY	JPB5639045	2014.10.31	WO2010/122811	2010.10.28
28	SOLID SOLUTION TYPE ALLOY FINE PARTICLES, AND METHOD FOR MANUFACTURING THE SAME	JAPAN SCIENCE AND TECHNOLOGY AGENCY	JPB5774756	2015.07.10	JPA2015-34347	2015.02.19
29	METAL COMPLEX AND METHOD OF PRODUCING THE SAME	KURARAY CO LTD, KYOTO UNIVERSITY			JPA2012-20956	2012.02.02

30	THREE-DIMENSIONAL STRUCTURE AND MANUFACTURING METHOD FOR SAME	JAPAN SCIENCE AND TECHNOLOGY AGENCY	JPB5531027	2014.04.25	WO2011/086931	2011.07.21
31	METHOD FOR PRODUCING POROUS METAL COMPLEX	SHOEI CHEM IND CO, TOYOBO CO LTD, RESONAC CORP	JPB5795195	2015.08.21	JPA2012-250946	2012.12.20
32	METHOD FOR PRODUCING USEFUL SUBSTANCE FROM CARBON DIOXIDE	NATIONAL INSTITUTES OF NATURAL SCIENCES, KYOTO UNIVERSITY, KURARAY CO LTD, SHOWA DENKO KK, TOYOBO CO LTD, SHOEI CHEM IND CO			JPA2012-255179	2012.12.27
33	METHOD FOR PRODUCING COMPOSITE CATALYST	SHOEI CHEM IND CO, TOYOBO CO LTD	JPB5686674	2015.01.30	JPA2012-254398	2012.12.27
34	COMPOSITION AND METHOD FOR MANUFACTURING AMMONIA USING CATALYST	SUMITOMO CHEMICAL CO LTD, ENEOS CORP, SHOEI CHEM IND CO, OITA UNIVERSITY, KYOTO UNIVERSITY, HOKKAIDO UNIVERSITY	JPB6017777	2016.10.07	JPA2013-111562	2013.06.10
35	COMPOSITION AND AMMONIA PRODUCTION METHOD USING THE SAME	SUMITOMO CHEMICAL CO LTD, SHOEI CHEM IND CO, JX NIPPON OIL & ENERGY CORP, KYOTO UNIVERSITY, OITA UNIVERSITY			JPA2013-111563	2013.06.10
36	METAL NANOPARTICLE-PCP COMPLEX AND MANUFACTURING METHOD THEREFOR	KYOTO UNIVERSITY	JPB5946456	2016.06.10	WO2013/021944	2013.02.14
37	RUTHENIUM MICROPARTICLES HAVING ESSENTIALLY FACE-CENTERED CUBIC STRUCTURE AND METHOD FOR PRODUCING SAME	JAPAN SCIENCE AND TECHNOLOGY AGENCY	JPB5657805	2014.12.05	WO2013/038674	2013.03.21
38	RUTHENIUM FINE PARTICLE HAVING PRACTICALLY FACE-CENTERED CUBIC STRUCTURE AND PRODUCTION METHOD THEREOF	JAPAN SCIENCE AND TECHNOLOGY AGENCY	JPB5715726	2015.03.20	JPA2014-240523	2014.12.25
39	POROUS COORDINATION POLYMER-IONIC LIQUID COMPOSITE	KYOTO UNIVERSITY, KYOCERA CORPORATION	JPB5924627	2016.04.28	WO2013/161452	2013.10.31
40	METHOD FOR PRODUCING CARBON MONOXIDE AND/OR HYDROGEN	KYOTO UNIVERSITY			JPA2014-62038	2014.04.10
41	CATALYST USING Pd-Ru SOLID-SOLUTION-TYPE ALLOY PARTICLES	JAPAN SCIENCE AND TECHNOLOGY AGENCY	JPB5737699	2015.05.01	WO2014/045570	2014.03.27
42	METAL NANOPARTICLE COMPLEX AND METHOD FOR PRODUCING SAME	KYOTO UNIVERSITY	JPB6188700	2017.08.10	WO2014/046107	2014.03.27
43	ION CONDUCTIVE COMPOUND MATERIAL, AND MANUFACTURING METHOD OF THE SAME	KYOTO UNIVERSITY, KYOCERA CORP	JPB6222635	2017.10.13	JPA2015-145454	2015.08.13
44	ION-CONDUCTING COMPLEX	KYOTO UNIVERSITY, KYOCERA CORP	JPB6338179	2018.05.18	JPA2015-165462	2015.09.17
45	COMPOSITE CATALYST FOR THE PRODUCTION OF METHANOL AND METHOD FOR PRODUCING THE SAME, AND METHOD FOR PRODUCING METHANOL	KYOTO UNIVERSITY	JPB5774180	2015.07.10	JPA2016-67999	2016.05.09
46	ION CONDUCTIVE COMPOSITE MATERIAL	KYOTO UNIVERSITY, KYOCERA CORP	JPB6369940	2018.07.20	JPA2015-156364	2015.08.27
47	ALLOY NANOPARTICLE AND METHOD FOR PRODUCING THE SAME	KYOTO UNIVERSITY			JPA2016-138324	2016.08.04
48	METHOD FOR PRODUCING POLYMER PROTECTION MATERIAL-FREE SUPPORTED CATALYST	FURUYA METAL CO LTD, KYOTO UNIVERSITY	JPB6761998	2020.09.10	JPA2016-159222	2016.09.05
49	SUPPORTED CATALYST	FURUYA METAL CO LTD, KYOTO UNIVERSITY	JPB6481997	2019.02.22	JPA2016-159223	2016.09.05
50	SUPPORTED CATALYST	FURUYA METAL CO LTD, KYOTO UNIVERSITY	JPB6481998	2019.02.22	JPA2016-159224	2016.09.05
51	METHOD FOR PRODUCING ALLOY CARRYING MATERIAL	TOYOBO CO LTD, KYOTO UNIV			JPA2016-160477	2016.09.05
52	ALDEHYDES REMOVER USING RUTHENIUM (FCC) CARRIER	TOYOBO CO LTD, KYOTO UNIV	JPB6540990	2019.06.21	JPA2016-159225	2016.09.05
53	PdRu ALLOY ELECTRODE MATERIAL AND METHOD FOR PRODUCING THE SAME	NORITAKE CO LTD, KYOTO UNIVERSITY	JPB6541373	2019.06.21	JPA2016-160478	2016.09.05
54	SUPPORTED CATALYST	FURUYA METAL CO LTD, KYOTO UNIVERSITY	JPB6709494	2020.05.27	JPA2019-34308	2019.03.07
55	SUPPORTED CATALYST	FURUYA METAL CO LTD, KYOTO UNIVERSITY	JPB6709557	2020.05.27	JPA2019-37982	2019.03.14
56	SUPPORTED CATALYST	FURUYA METAL CO LTD, KYOTO UNIVERSITY	JPB6864300	2021.04.06	JPA2020-93258	2020.06.18

57	POROUS STRUCTURE AND METHOD FOR PRODUCING SAME, AND METHOD FOR PRODUCING COMPOSITE METAL NANOPARTICLE	KYOTO UNIVERSITY			WO2015/137272	2015.09.17
58	SYNTHESIS METHOD OF INDOLE DERIVATIVE	OITA UNIVERSITY	JPB6579545	2019.09.06	JPA2017-43545	2017.03.02
59	ALLOY MICROPARTICLES AND METHOD FOR PRODUCING SAME, ALLOY MICROPARTICLE CLUSTER, CATALYST, AND METHOD FOR PRODUCING SAME	KYOTO UNIVERSITY OITA UNIVERSITY KYUSHU UNIVERSITY			WO2016/039361	2016.03.17
60	METHOD FOR PRODUCING SUPPORTED CATALYST	FURUYA METAL CO LTD, KYOTO UNIVERSITY	JPB6782411	2020.10.22	JPA2016-163879	2016.09.08
61	PRODUCTION METHOD OF PRODUCING SUPPORTED CATALYST FREE OF PROTECTIVE POLYMER MATERIALS	FURUYA METAL CO LTD, KYOTO UNIVERSITY	JPB6675614	2020.03.13	WO2016/136939	2016.09.01
62	METHOD OF PRODUCING FINE PARTICLES SUPPORTING NOBLE METAL SOLID SOLUTION	KYOTO UNIVERSITY, FURUYA METAL CO LTD	JPB6737435	2020.07.20	WO2016/136956	2016.09.01
63	PRODUCTION METHOD OF CARRYING CATALYST	FURUYA METAL CO LTD, KYOTO UNIVERSITY	JPB6989856	2021.12.07	JPA2020-44535	2020.03.26
64	PRODUCTION METHOD OF PRODUCING SUPPORTED CATALYST FREE OF PROTECTIVE POLYMER MATERIAL	FURUYA METAL CO LTD, KYOTO UNIVERSITY			WO2016/136938	2016.09.01
65	RHODIUM CARBIDE AND MANUFACTURING METHOD THEREFOR	KYOTO UNIVERSITY	JPB6648887	2020.01.20	JPA2017-154938	2017.09.07
66	METHOD FOR PRODUCING CARBONIC ACID ESTER	FUJIFILM CORP, KYOTO UNIVERSITY			JPA2017-160132	2017.09.14
67	PdRu ALLOY ELECTRODE MATERIAL AND PRODUCTION METHOD THEREOF	NORITAKE CO LTD, KYOTO UNIVERSITY	JPB6608753	2019.11.01	JPA2017-183242	2017.10.05
68	PdRu ALLOY MATERIAL AND MANUFACTURING METHOD THEREFOR	NORITAKE CO LTD, KYOTO UNIVERSITY	JPB6905231	2021.06.29	JPA2020-33647	2020.03.05
69	Pd-B NANOPARTICLE AND METHOD FOR PRODUCING THE SAME	KYOTO UNIVERSITY			JPA2017-222521	2017.12.21
70	CATALYST COMPOSITION FOR MANUFACTURING AMMONIA, MANUFACTURING METHOD OF CATALYST COMPOSITION FOR MANUFACTURING AMMONIA AND AMMONIA MANUFACTURING METHOD	SUMITOMO CHEMICAL CO LTD, JX NIPPON OIL & ENERGY CORP, SHOEI CHEM IND CO, OITA UNIVERSITY, KYOTO UNIVERSITY, HOKKAIDO UNIVERSITY			JPA2017-1037	2017.01.05
71	Ru Cu SOLID SOLUTION NANOPARTICLES, PRODUCTION METHOD THEREFOR, AND CATALYST	KYOTO UNIVERSITY	JPB6987389	2021.12.03	WO2017/150580	2017.09.08
72	MULTICOMPONENT SOLID SOLUTION MICROPARTICLES AND METHOD FOR PRODUCING SAME, AND CATALYST	KYOTO UNIVERSITY	JPB6855073	2021.03.19	WO2017/150596	2017.09.08
73	METAL NANOPARTICLE PRODUCTION METHOD, AND PRODUCTION DEVICE THEREFOR	KYOTO UNIVERSITY, ADVANCE RIKO INC	JPB6285065	2018.02.09	JPA2018-35439	2018.03.08
74	SOLID DISSOLUTION NANOPARTICLE AND METHOD FOR PRODUCING THE SAME, AND CATALYST	KYOTO UNIVERSITY	JPB7151984	2022.10.03	JPA2018-141232	2018.09.13
75	METHOD FOR PRODUCING SOLID-SOLUTION ALLOY PARTICLE	KYOTO UNIVERSITY			JPA2018-141235	2018.09.13
76	METHOD FOR PRODUCING SOLID SOLUTION ALLOY FINE PARTICLE	FURUYA METAL CO LTD	JPB7254389	2023.03.31	JPA2022-109275	2022.07.27
77	Pd-Ru SOLID SOLUTION NANOPARTICLES, PRODUCTION METHOD AND CATALYST THEREFOR, METHOD FOR CONTROLLING CRYSTAL STRUCTURE OF Pt-Ru SOLID SOLUTION NANOPARTICLES, Au-Ru SOLID SOLUTION NANOPARTICLES, AND METHOD FOR MANUFACTURING SAME	KYOTO UNIVERSITY	JPB7157456	2022.10.12	WO2018/159644	2018.09.07
78	ALLOY FINE PARTICLE GROUP AND MANUFACTURING METHOD THEREOF	PANASONIC IP MANAGEMENT CORP			JPA2020-59908	2020.04.16
79	ANISOTROPIC NANOSTRUCTURE, PRODUCTION METHOD THEREFOR, AND CATALYST	KYOTO UNIVERSITY	JPB7262779	2023.04.14	WO2019/131744	2019.07.04
80	ALLOY NANOPARTICLES, AGGREGATE OF ALLOY NANOPARTICLES, CATALYST, AND METHOD FOR PRODUCING ALLOY NANOPARTICLES	KYOTO UNIVERSITY	JPB7618231	2025.01.10	WO2021/020377	2021.02.04

81	SOLID SOLUTION NANOPARTICLES, METHOD FOR PRODUCING SAME, DISPERSION LIQUID OF SOLUTION SOLID NANOPARTICLES, AND CATALYST	KYOTO UNIVERSITY, NAGOYA INSTITUTE OF TECHNOLOGY	JPB7716711	2025.07.24	WO2021/132335	2021.07.01
82	CATALYST SOLUTION FOR ELECTROLESS PLATING	OKUNO CHEM IND CO LTD, KYOTO UNIVERSITY	JPB7701684	2025.06.24	JPA2022-121771	2022.08.22
83	PLATINUM-TUNGSTEN SOLID SOLUTION PARTICLES AND CATALYST CONTAINING SAME	NIPPON SODA CO LTD			WO2021/256061	2021.12.23
84	ALLOY, AGGREGATE OF ALLOY NANOPARTICLES, AND CATALYST	KYOTO UNIVERSITY			WO2022/009870	2022.01.13
85	ALLOY, AGGREGATE OF ALLOY NANOPARTICLES, AND CATALYST	KYOTO UNIVERSITY			WO2022/009871	2022.01.13
86	POROUS MATERIAL FOR CATALYST FOR OLEFIN POLYMERIZATION, OLEFIN POLYMERIZATION CATALYST AND METHOD FOR PRODUCING OLEFIN POLYMER	MITSUI CHEMICALS INC	JPB7811458	2026.01.28	JPA2023-61675	2023.05.02
87	HYDROGEN STORAGE MATERIAL AND METHOD FOR PRODUCING THE SAME, AND HYDROGEN STORAGE METHOD	KYOTO UNIVERSITY			JPA2023-110536	2023.08.09
88	THE CATALYST HONEYCOMB STRUCTURE AND EXHAUST GAS PURIFICATION DEVICE	KYOCERA CORPORATION			JPA2024-47360	2024.04.05
89	METHOD FOR PRODUCING C2-3 ALCOHOL	SUMITOMO CHEMICAL CO LTD, KYOTO UNIVERSITY			WO2024/095872	
90	ELECTROLESS PLATING CATALYST SOLUTION, ELECTROLESS PLATING PRETREATMENT METHOD AND ELECTROLESS PLATING METHOD	OKUNO CHEM IND CO LTD, KYOTO UNIVERSITY			JPA2025-91526	
91	ALLOY, AGGREGATE OF ALLOY NANOPARTICLES, AND CATALYST	KYOTO UNIVERSITY			JPA2024-178229	
92	METAL-METAL OXIDE COMPOSITE PARTICLES AND METHOD FOR PRODUCING SAME	KYOTO UNIVERSITY			WO2025/183165	