

## List of patents

No.	Application number	Filing date	Registration number	Registration date	Title of the invention
1	JP,2003-308822	2003/9/1	JP,4203566,B	2008/10/24	The lock bolt for withdrawing resistance testing device and a lock bolt pull-out resistance testing method
2	JP,2003-313414	2003/9/5	JP,4157957,B	2008/7/25	To provide a lock bolt pressurizing / expanding seal head
3	JP,2003-349084	2003/10/8	JP,4203567,B	2008/10/24	To provide a lock bolt pressurizing / expanding method
4	JP,2003-387109	2003/11/17	JP,4680491,B	2011/2/10	To provide a steel pipe expansion type lock bolt
5	JP,2003-387110	2003/11/17	JP,4213566,B	2008/11/7	To provide a lock bolt pressurizing / expanding seal head
6	JP,2005-35723	2005/2/14	JP,4288331,B	2009/4/10	To provide a timbering construction method for a lock bolt USING THE SAME
7	JP,2007-137320	2007/5/24	JP,4320040,B	2009/6/5	The repair structure of a reinforced concrete structure
8	JP,2007-137980	2007/5/24	JP,4320041,B	2009/6/5	A method for repairing a suitability determination method, a method for repairing a determination chart creation method, and a method for repairing a suitability determination method
9	JP,2007-294156	2007/11/13	JP,5124755,B	2012/11/9	IMAGE RADIOGRAPHING SYSTEM
10	JP,2009-076952	2009/3/26	JP,5193107,B	2013/2/8	To provide a method of dividing regions of concrete images
11	JP,2009-093656	2009/4/8	JP,4842345,B	2011/10/14	The repair structure of a reinforced concrete structure
12	JP,2009-101717	2009/4/20	JP,4651725,B	2010/12/24	A method for repairing a suitability determination method
13	JP,2009-123803	2009/5/22	JP,4814355,B	2011/9/2	The concrete surface repair structure
14	JP,2009-125076	2009/5/25	JP,5240936,B	2013/4/12	To provide a folded board roof snow fall and icicle preventing device
15	JP,2009-166287	2009/7/15	JP,5258690,B	2013/5/2	Roadside radio apparatus
16	JP,2009-198923	2009/8/7	JP,4526095,B	2010/6/11	Prevention of tunnel lighting for a security system
17	JP,2009-198924	2009/8/7	JP,4627560,B	2010/11/19	To provide a tunnel illumination LED lamp
18	JP,2009-237865	2009/10/15	JP,5322303,B	2013/7/26	To provide a snow-falling and icicle device
19	JP,2009-239962	2009/10/19	JP,5322304,B	2013/7/26	To provide a small animal intrusion preventive function vertical drainage channel structure.
20	JP,2010-080322	2010/3/31	JP,5422464,B	2013/11/29	Impact test apparatus
21	JP,2010-138376	2010/6/17	JP,5185978,B	2013/1/25	In the bridge joint structure
22	JP,2010-198498	2010/9/6	JP,5595192,B	2014/8/15	The piping duct
23	JP,2010-294603	2010/12/29	JP,5474757,B	2014/2/14	A maintenance system for a tunnel lighting device, and maintenance / management method for a tunnel lighting fixture group USING THE SAME
24	JP,2011-23665	2011/2/7	JP,5652874,B	2014/11/28	The infrared light irradiating device
25	JP,2011-034561	2011/2/21	JP,5530376,B	2014/4/25	The fence jumping tool
26	JP,2011-157796	2011/7/19	JP,5736263,B	2015/4/24	To provide a reinforcing instrument and a sound-insulating panel reinforcing structure and manufacturing method thereof
27	JP,2011-181201	2011/8/23	JP,5740697,B	2015/5/15	A tunnel entrance lighting device
28	JP,2011-198170	2011/9/12	JP,5441187,B	13/27/27	In the bridge joint structure
29	JP,2012-000430	2012/1/5	JP,5900881,B	2016/3/18	The snow-melting device
30	JP,2012-113827	2012/4/25	JP,5943702,B	2016/6/3	To provide a sound absorbing plate.
31	JP,2012-119527	2012/5/25	JP,6125156,B	2017/4/14	A tire determination system and determination method
32	JP,2012-163524	2012/7/24	JP,5580370,B	2014/7/18	The retroreflective solid marking material and a method for producing a retroreflective solid marking material and a writing utensil.
33	JP,2012-175914	2012/8/8	JP,5865802,B	2016/1/8	The rust-preventive effect evaluation method, and a rust preventive component concentration of neutralized concrete short distribution model construction method
34	JP,2013-027192	2013/2/15	JP,6161025,B	2017/6/23	Nocturnal corresponding windsock
35	JP,2013-027191	2013/2/15	JP,6150037,B	2017/6/2	The wind direction / wind speed monitoring device
36	JP,2013-038600	2013/2/28	JP,5744083,B	2015/5/15	External vibration machine
37	JP,2013-144720	2013/7/10	JP,6351935,B	2018/6/15	TOILET SEAT APPARATUS
38	JP,2013-168800	2013/8/15	JP,6205091,B	2017/9/8	To provide a protective fence prop soundness evaluation method and a soundness evaluation apparatus
39	JP,2013-169314	2013/8/19	JP,6361849,B	2018/7/6	A road point corresponding to the vehicle position recognizing device.
40	JP,2013-169315	2013/8/19	JP,6283855,B	2018/2/9	The route point corresponding to the vehicle position determination apparatus
41	JP,2013-169316	2013/8/19	JP,6149328,B	2017/6/2	The route point corresponding position determining display device
42	JP,2014-20851	2014/2/6	JP,6338874,B	2018/5/18	Marker PROBING APPARATUS
43	JP,2014-032378	2014/2/22	JP,6035265,B	2016/11/4	ILLUMINATION CONTROL APPARATUS
44	JP,2014-232105	2014/11/14	JP,6404093,B	2018/9/21	The anti-slip material and anti-slip construction method
45	JP,2015-244230	2015/12/15	JP,6498110,B	2019/3/22	The bridge bump ride-over
46	JP,2016-123555	2016/6/22	JP,6555589,B	2019/7/19	The displacement measuring jig
47	JP,2016-177252	2016/9/12	JP,6566920,B	2019/8/9	Jet fan cover
48	JP,2016-212498	2016/10/31	JP,6654995,B	2020/2/4	The high-lift work vehicle safety device
49	JP,2017-073694	2017/4/3	JP,6283439,B	2018/2/2	To provide a ground anchor tension measuring device and a tension measuring method
50	JP,2016-63807	2016/3/28	JP,6732236,B	2020/7/10	The concrete in the reinforced corrosive environment measuring method and system
51	JP,2016-161837	2016/8/22	JP,6735184,B	2020/7/15	The drop preventing structural body, its construction method, and an anchor
52	JP,2016-189133	2016/9/28	JP,6744183,B	2020/8/3	To provide a ground-fault current detector
53	JP,2018-198814	2018/10/22	JP,6752460,B	2020/8/21	OBJECT SENSING DEVICE
54	JP,2017-39233	2017/3/2	JP,6813847,B	2020/12/22	License plate information association system and a weight measurement system
55	JP,2019-90542	2019/5/13	JP,6847430,B	2021/3/5	To provide a displacement measuring tool and displacement measuring method
56	JP,2018-198813	2018/10/22	JP,6853556,B	2021/3/16	OBJECT SENSING DEVICE
57	JP,2017-73252	2017/3/31	JP,6864320,B	2021/4/6	The parking lot usage management system by a vehicle number recognition system
58	JP,2016-164938	2016/8/25	JP,6944092,B	2021/9/14	The method for measuring corrosive environment, a corrosive environment measurement system, and a repair planning method and inspection planning method utilizing a corrosive environment measurement result
59	JP,2020-177793	2020/10/23	JP,6948535,B	2021/9/24	Road working system
60	JP,2017-208138	2017/10/27	JP,6960303,B	2021/10/13	A spray nozzle with a valve apparatus and a water spray nozzle
61	JP,2019-093318	2019/5/17	JP,6963241,B	2021/10/19	Phased array ultrasonic flaw detection scanning jig
62	JP,2020-030409	2020/2/26	JP,6977941,B	2021/11/15	The repairing method of the anchor load meter
63	JP,2019-093319	2019/5/17	JP,6991688,B	2021/12/10	Phased array ultrasonic flaw detection method of a finger joint
64	JP,2016-202314	2016/10/14	JP,7059456,B	2022/4/18	A road regulation position guidance system
65	JP,2017-245489	2017/12/21	JP,7078951,B	2022/5/24	The bathroom managing system and managing method
66	JP,2021-151663	2021/9/17	JP,7112612,B	2022/7/27	The stopping or parking prohibited road interval search information providing apparatus