

List of Foreign patents for Passenger Boarding Bridges and Supporting Products
Updated as of September 12, 2025

No.	Patent Title	Country	Type	Patentee	Application No.	Filing Date	Grant Date	Expiration Date	Legal Status
1	Auxiliary supporting unit, boarding bridge with the same and method for improving stability of the boarding bridge by using the same	US	Invention	CHINA INTERNATIONAL MARINE CONTAINERS (GROUP) CO., LTD	10/590,684 Patent No.US7,743,445	2005/1/25	2010/6/29	2027/7/2	Valid
2	PASSENGER BOARDING BRIDGE WITH A RUNNING MECHANISM AND CONTROL METHOD	EP	Invention	CHINA INTERNATIONAL MARINE CONTAINERS (GROUP) CO., LTD	06775325.1	2006/8/8	2014/4/23	2026/8/8	Valid
3	PASSENGER BOARDING BRIDGE WITH A RUNNING MECHANISM AND CONTROL METHOD	FR	Invention	CHINA INTERNATIONAL MARINE CONTAINERS (GROUP) CO., LTD	06775325.1	2006/8/8	2014/4/23	2026/8/8	Valid
4	PASSENGER BOARDING BRIDGE WITH A RUNNING MECHANISM AND CONTROL METHOD	CA	Invention	CHINA INTERNATIONAL MARINE CONTAINERS (GROUP) CO., LTD	06775325.1	2006/8/8	2014/4/23	2026/8/8	Valid
5	Running mechanism for a passenger loading bridge and method for controlling the same	DE	Invention	CHINA INTERNATIONAL MARINE CONTAINERS (GROUP) CO., LTD	112006002978.9	2006/8/8	2015/2/5	2026/8/8	Valid
6	Running mechanism for a passenger boarding bridge and control method thereof	DE	Invention	CHINA INTERNATIONAL MARINE CONTAINERS (GROUP) CO., LTD	2006308367	2006/8/8	2011/6/9	2026/8/8	Valid
7	Joint equipment and boarding bridge having the same	US	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	13093340 (Patent No.US 8,555,444 B2)	2011/4/25	2013/10/15	2031/12/2	Valid
8	CAB OF PASSENGER BOARDING BRIDGE AND PASSENGER BOARDING BRIDGE HAVING THE SAME AND DOCKING METHOD THEREOF	CA	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	CA2885108	2013/8/9	2017/6/13	2033/8/9	Valid

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9	CAB OF PASSENGER BOARDING BRIDGE AND PASSENGER BOARDING BRIDGE HAVING THE SAME AND DOCKING METHOD THEREOF	US	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	US14428824	2013/8/9	2016/9/6	2033/8/9	Valid
10	SYSTEM AND METHOD FOR AIRCRAFT DOCKING GUIDANCE AND AIRCRAFT TYPE IDENTIFICATION	EP	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	15827108	2015/7/2	2019/4/10	2035/7/2	Valid
11	SYSTEM AND METHOD FOR AIRCRAFT DOCKING GUIDANCE AND AIRCRAFT TYPE IDENTIFICATION	US	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	US15329979	2015/7/2	2020/2/18	2036/12/1	Valid
12	MACHINE VISION-BASED METHOD AND SYSTEM FOR AIRCRAFT DOCKING GUIDANCE AND AIRCRAFT TYPE IDENTIFICATION	US	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	US15329994	2015/7/2	2019/5/14	2035/10/26	Valid
13	System and method for aircraft docking guidance and aircraft type identification	EP	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	15827975.2	2015/7/2	2023/12/6	2035/7/2	Valid
14	System and method for aircraft docking guidance and aircraft type identification	EP(UPC)	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	15827975.2	2015/7/2	2023/12/6	2035/7/2	Valid
15	System and method for aircraft docking guidance and aircraft type identification	ES	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	15827975.2	2015/7/2	2023/12/6	2035/7/2	Valid
16	System and method for aircraft docking guidance and aircraft type identification	US	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	US15329990	2015/7/2	2019/4/9	2035/10/26	Valid
17	LEADING EDGE STRUCTURE OF JET BRIDGE FLOOR, JET BRIDGE FLOOR STRUCTURE, AND JET BRIDGE	US	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	US16265426	2016/8/2	2020/9/22	2036/8/2	Valid

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18	LEADING EDGE STRUCTURE OF JET BRIDGE FLOOR, JET BRIDGE FLOOR STRUCTURE, AND JET BRIDGE	EP	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	16910964.2	2016/8/2	2021/6/23	2036/8/2	Valid
19	LEADING EDGE STRUCTURE OF JET BRIDGE FLOOR, JET BRIDGE FLOOR STRUCTURE, AND JET BRIDGE	DE	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	602016059827.2	2016/8/2	2021/6/23	2036/8/2	Valid
20	LEADING EDGE STRUCTURE OF JET BRIDGE FLOOR, JET BRIDGE FLOOR STRUCTURE, AND JET BRIDGE	FR	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	16910964.2	2016/8/2	2021/6/23	2036/8/2	Valid
21	LEADING EDGE STRUCTURE OF JET BRIDGE FLOOR, JET BRIDGE FLOOR STRUCTURE, AND JET BRIDGE	NL	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	16910964.2	2016/8/2	2021/6/23	2036/8/2	Valid
22	LEADING EDGE STRUCTURE OF JET BRIDGE FLOOR, JET BRIDGE FLOOR STRUCTURE, AND JET BRIDGE	ES	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	16910964.2	2016/8/2	2021/6/23	2036/8/2	Valid
23	LEADING EDGE STRUCTURE OF JET BRIDGE FLOOR, JET BRIDGE FLOOR STRUCTURE, AND JET BRIDGE	IT	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	502021000074198	2016/8/2	2021/6/23	2036/8/2	Valid
24	Braking system and passenger boarding bridge	US	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	15/747,429	2016/7/15	2019/8/13	2036/7/15	Valid
25	Braking system and passenger boarding bridge	EP	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	16908486.0	2016/7/15	2022/3/30	2036/7/15	Valid
26	Braking system and passenger boarding bridge	DE	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	60 2016 070 647.4	2016/7/15	2022/3/30	2036/7/15	Valid
27	Braking system and passenger boarding bridge	FR	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	16908486.0	2016/7/15	2022/3/30	2036/7/15	Valid

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28	Braking system and passenger boarding bridge	NL	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	16908486.0	2016/7/15	2022/3/30	2036/7/15	Valid
29	Braking system and passenger boarding bridge	ES	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	16908486.0	2016/7/15	2022/3/30	2036/7/15	Valid
30	Braking system and passenger boarding bridge	IT	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	502022000038048	2016/7/15	2022/3/30	2036/7/15	Valid
31	Mobile tunnel braking system and passenger boarding bridge	US	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	16/330,915 (Patent No.10,724,586)	2017/4/20	2020/7/28	2037/4/20	Valid
32	Mobile tunnel braking system and passenger boarding bridge	EP	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	17847931.7	2017/4/20	2021/12/1	2037/4/20	Valid
33	Mobile tunnel braking system and passenger boarding bridge	DE	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	注册号: 60 2017 050 365.7	2017/4/20	2021/12/1	2037/4/20	Valid
34	Mobile tunnel braking system and passenger boarding bridge	FR	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	17847931.7	2017/4/20	2021/12/1	2037/4/20	Valid
35	Mobile tunnel braking system and passenger boarding bridge	NL	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	17847931.7	2017/4/20	2021/12/1	2037/4/20	Valid
36	Mobile tunnel braking system and passenger boarding bridge	ES	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	17847931.7	2017/4/20	2021/12/1	2037/4/20	Valid
37	Mobile tunnel braking system and passenger boarding bridge	IT	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	注册号: 502022000012392	2017/4/20	2021/12/1	2037/4/20	Valid
38	Leveling mechanism for passenger boarding bridge and passenger boarding bridge	US	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	16/265,568 授权公开号 US10710744	2016/8/5	2020/7/14	2036/8/5	Valid
39	Leveling mechanism for passenger boarding bridge and passenger boarding bridge	EP	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	16911307.3	2016/8/5	2021/10/6	2036/8/5	Valid

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40	Leveling mechanism for passenger boarding bridge and passenger boarding bridge	DE	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	注册号: 60 2016 064 770.2	2016/8/5	2021/10/6	2036/8/5	Valid
41	Leveling mechanism for passenger boarding bridge and passenger boarding bridge	FR	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	16911307.3	2016/8/5	2021/10/6	2036/8/5	Valid
42	Leveling mechanism for passenger boarding bridge and passenger boarding bridge	NL	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	16911307.3	2016/8/5	2021/10/6	2036/8/5	Valid
43	Leveling mechanism for passenger boarding bridge and passenger boarding bridge	ES	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	16911307.3	2016/8/5	2021/10/6	2036/8/5	Valid
44	Leveling mechanism for passenger boarding bridge and passenger boarding bridge	IT	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	502021000108542	2016/8/5	2021/10/6	2036/8/5	Valid
45	Safety protection apparatus of boarding bridge walking mechanism	US	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	16/608,256	2018/4/25	2022/11/15	2039/10/27	Valid
46	BOARDING BRIDGE TRAVELLING MECHANISM WITH SAFETY DEVICE	EP	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	18791258.9	2018/4/25	2023/6/7	2038/4/25	Valid
47	BOARDING BRIDGE TRAVELLING MECHANISM WITH SAFETY DEVICE	EP(UPC)	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	18791258.9	2018/4/25	2023/6/7	2038/4/25	Valid
48	BOARDING BRIDGE TRAVELLING MECHANISM WITH SAFETY DEVICE	ES	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	18791258.9	2018/4/25	2023/6/7	2038/4/25	Valid
49	SYSTEM AND METHOD FOR AIRCRAFT DOCKING GUIDANCE AND AIRCRAFT TYPE IDENTIFICATION	NL	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	15827108.0	2015/7/2	2019/4/10	2035/7/2	Valid
50	SYSTEM AND METHOD FOR AIRCRAFT DOCKING GUIDANCE AND AIRCRAFT TYPE IDENTIFICATION	FR	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	15827108.0	2015/7/2	2019/4/10	2035/7/2	Valid

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51	SYSTEM AND METHOD FOR AIRCRAFT DOCKING GUIDANCE AND AIRCRAFT TYPE IDENTIFICATION	DE	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	15827108.0 (602015028230.2)	2015/7/2	2019/4/10	2035/7/2	Valid
52	Method for docking boarding bridge with aircraft, electronic equipment and storage medium	EP	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	20817892.1	2020/6/4	2025/2/26	2040/6/4	Valid
53	Method for docking boarding bridge with aircraft, electronic equipment and storage medium	EP(UPC)	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	20817892.1	2020/6/4	2025/2/26	2040/6/4	Valid
54	Method for docking boarding bridge with aircraft, electronic equipment and storage medium	ES	Invention	SHENZHEN CIMC-TIANTA AIRPORT SUPPORT LTD.	20817892.1	2020/6/4	2025/2/26	2040/6/4	Valid