

ASSET LIST

LOT 153: HIGH PERFORMANCE BATTERY TECHNOLOGIES PATENT FOR SALE

153号专利包：高性能电池技术专利待拍

Ocean Tomo Bid-Ask™ Market patent auction lot 153 offers forty-six patents with global protections in the United States, China, Europe, Japan, Korea, etc. The subject inventions are regarding high performance lithium battery technologies, such as aqueous lithium battery technology, lithium Sulfur battery technology, Si/SiO anode material technology etc. These patents include unique, high performance battery electrode compositions including Lithium, Sulfur, and other metals and metal alloys. The present inventions are both economical and highly efficient, ensuring high cycle life, low charge time, less self-discharge, high cell voltage, no maintenance required, and low toxicity compared to existing secondary batteries. The subject portfolio provides an attractive opportunity for manufacturers of lead alkaline batteries, lithium-ion batteries, and/or LFP batteries, especially those pursuing alternative means for achieving leading-edge battery performance.

Ocean Tomo Bid-Ask™市场153号待售专利包提供了四十六项专利，覆盖了美国、中国、欧洲、日本、韩国等司法辖区。这一系列发明有关高性能锂电池技术，如水性锂电池技术、锂硫电池技术、Si/SiO负极材料技术等。该专利包包含独特的高性能电池电极材料，具有例如锂、硫和金属/合金的组合物等。该专利包中的电池技术既经济又高效，与其他市售二次电池相比，可确保较高的循环寿命，较短的充电时间，较少的自放电，较高电压，无需维护，且毒性低。该专利包为铅碱性电池、锂离子电池和/或LFP电池的制造商提供了一个强有力的机遇，尤其是那些追求卓越电池性能方案的制造商们。

For further information or to bid on this lot, please email Bid-Ask@OceanTomo.com.
竞拍该专利包或详询更多信息，欢迎联系 Bid-Ask@OceanTomo.com.

NO.	PUBLICATION NO.	PATENT TITLE	PRIMARY IP CLASS	PRIORITY DATE	FILE DATE	ISSUE/PUBLICATION DATE	NO. OF FORWARD CITATIONS
序号	公开号	专利名称	IPC主分类号	优先权日	申请日	公开日	前引数量
1	CN102820454	Electrode composite material and preparation method thereof, positive pole, there is this anodal battery 电极复合材料及其制备方法	H01M 4/36	6/11/11	2/13/12	5/18/16	14
2	CN103247776	The preparation method of electrode composite material 电极复合材料的制备方法	H01M 4/04	2/7/12	2/7/12	2/17/16	2
3	CN105789563	Electrode composite material, preparation method thereof, positive electrode and battery with same 电极复合材料及其制备方法	H01M 4/136	6/11/11	2/13/12	7/20/16	
4	EP2720303	Electrode composite material, method thereof, positive electrode and battery including the same 电极复合材料及其制备方法	H01M 4/38	6/11/11	6/11/12	5/31/17	3
5	US9899667	Electrode composite material, preparation method thereof, cathode and battery including the same 电极复合材料及其制备方法	H01M 4/137	6/11/11	12/11/13	2/20/18	
6	CN104766994	Battery 电池	H01M 10/056	1/2/14	1/2/14	10/13/17	3
7	CN104425801	Electrode composite material and preparation method thereof and negative pole and battery with the electrode composite material 电极复合材料及其制备方法以及具有该电极复合材料的负极和电池	H01M 4/36	8/28/13	8/28/13	12/19/17	1
8	CN107645014	Battery 电池	H01M 10/0565	1/2/14	1/2/14	1/30/18	
9	CN104377350	Electrode composite material and preparation method thereof and the anode and battery with the electrode composite material 电极复合材料及其制备方法以及具有该电极复合材料的负极和电池	H01M 4/36	8/16/13	8/16/13	5/8/18	3
10	CN103972580	A kind of lithium-sulfur cell 一种锂硫电池	H01M 10/052	2/6/13	2/6/13	6/15/18	1
11	CN101997145	Lithium sulfur battery 锂硫电池	H01M 2/16	8/25/09	8/25/09	6/5/13	1
12	CN104282952	Electrolyte and battery 电解质和电池	H01M 10/36	7/12/13	12/23/13	3/16/21	
13	CN104733788	Battery 电池	H01M 10/36	12/20/13	12/20/13	11/7/17	2
14	CN104766971	Positive electrode, the water system battery containing positive electrode 正极，含正极的水系电池	H01M 4/58	1/2/14	12/30/14	5/8/18	3
15	EP3016199	Electrolytic solution and battery 电解质和电池	H01M 10/36	6/28/13	6/27/14	1/9/19	
16	EP3486992	Battery 电池	H01M 10/36	6/28/13	6/27/14	9/23/20	
17	US10418666	Battery 电池	H01M 4/38	6/28/13	10/13/17	9/17/19	
18	US10854928	Electrolyte and battery 电解质和电池	H01M 4/38	6/28/13	8/7/19	12/1/20	
19	US9812738	Battery 电池	H01M 4/38	6/28/13	12/28/15	11/7/17	1
20	CN103288088	A kind of preparation method of polysilicon 一种多晶硅的制备方法	C01B 33/021	2/23/12	5/9/12	2/17/16	1
21	CN103292622	The preparation method of electrode composite material and electrode composite material 电极复合材料的制备方法及电极复合材料	H01M 4/38	2/23/12	2/17/13	8/19/15	2
22	CN102903924	Battery 电池	H01M 4/62	6/3/11	6/3/12	3/30/16	9
23	CN102903973	Battery 电池	H01M 4/38	6/28/11	6/3/12	9/2/15	10
24	CN103094583	Battery 电池	H01M 4/66	11/3/11	6/3/12	9/9/15	8
25	CN103107373	Battery 电池	H01M 10/36	11/14/11	12/29/11	9/9/15	13
26	CN107256946	Battery 电池	H01M 10/36	11/3/11	6/3/12	10/17/17	1
27	EP2717377	Battery 电池	H01M 10/36	6/3/11	6/3/12	8/5/20	2
28	JP6006789	Battery 电池	H01M 10/36	6/3/11	6/3/12	10/12/16	1
29	KR101758967	Battery 电池	H01M 10/38	6/3/11	6/3/12	7/17/17	
30	US10727491	Battery 电池	H01M 4/36	6/3/11	5/10/17	7/28/20	
31	US9680154	Battery 电池	H01M 4/38	6/3/11	6/3/12	6/13/17	2
32	CN103378353	Negative pole, the battery with this negative pole and negative pole preparation method 负极、具有该负极的电池及负极制备方法	H01M 4/38	1/18/12	1/18/12	9/14/16	6
33	CN104425803	Method for preparing composite electrode material, composite electrode material and battery 一种复合电极材料的制备方法、复合电极材料及电池	H01M 4/36	8/30/13	2/28/14	4/12/17	4
34	CN103665678	Polymer film and preparation method thereof, electrolyte and battery with polymer film 聚合物薄膜及其制备方法、电解质和具有聚合物薄膜的电池	C08L 27/16	8/28/12	3/21/13	6/16/17	9
35	CN103165884	Positive electrode, positive pole, battery and method for preparing anode material with the positive pole 正极、电极及具有正极的负极材料的制备方法	H01M 4/58	12/19/11	7/4/12	8/1/17	6
36	CN103972584	Electrolyte carrier film, electrolyte and preparation method thereof and lithium ion battery 电解质载体膜、电解质及其制备方法和锂离子电池	H01M 10/0565	2/4/13	4/16/13	9/22/17	5
37	CN103515657	Battery 电池	H01M 10/36	6/25/12	6/25/12	6/27/17	6
38	CN107331905	Battery with a battery cell 带电池芯的电池	H01M 10/36	6/25/12	6/25/12	1/14/20	2
39	CN103214768	Polymeric film and preparation method thereof, has ionogen and the battery of polymeric film 聚合物薄膜及其制备方法、具有离子源和聚合物薄膜的电池	C08L 27/16	12/13/11	12/13/11	3/30/16	5
40	CN103000934	Lithium-sulfur cell 锂硫电池	H01M 10/052	9/16/11	9/16/11	3/30/16	28
41	CN102456867	Electrode material, positive pole, there is the battery of this positive pole and the preparation method of electrode material 电极材料、正极，有这个正极的电池和电极材料的制备方法	H01M 4/13	10/19/10	10/19/10	3/16/16	9
42	CN107093773	Battery with a battery cell 带电池芯的电池	H01M 10/36	8/28/12	8/28/13	4/14/20	1
43	CN104177738	Polymeric film and preparation method thereof, has electrolyte and the battery of polymeric film 聚合物薄膜及其制备方法、具有聚合物薄膜的电解质和电池	C08L 27/16	5/24/13	5/24/13	8/17/16	6
44	CN103427119	Battery 电池	H01M 10/36	4/17/12	4/17/13	5/18/16	4
45	CN103872370	Flow battery 液流电池	H01M 8/18	12/11/12	12/11/12	10/10/17	4
46	CN105576302	Electrolyte, battery, battery preparation method and microbial breeding method 电解质、电池、电池制备方法和微生物繁殖方法	H01M 10/42	10/8/14	10/8/14	2/23/18	2