



## ASSET LIST

# LOT 112: FASTENER APPARATUS WITH SELF-LEVELING HEAD PATENTS FOR SALE

## 112号专利包：自调平紧固件装置专利待拍

Ocean Tomo Bid-Ask™ Market patent auction lot 112 consists of 5 issued U.S. patents, 1 open application along with a limited inventory of the Dominator and Shark Bite fastener brands. The patent portfolio uniquely discloses self-leveling fastener technology that facilitates simplified installation at steep off angles, increasing range of use while correcting applicator error. The patents further disclose fastener technology that is both self-locking and self-sealing. As demonstrated by the first two products to be commercialized using this patented technology, the invention is applicable across multiple fastener types facilitating groundbreaking designs that resist loosening, breaking and leaking. According to Grand View Research, the global Industrial fastener market size was estimated at USD 83.34 billion in 2018 with a CAGR of 4.1%, exceeding USD 110 billion by 2025.

Ocean Tomo Bid-Ask™市场112号专利包包含5个已授权的美国专利，一个专利申请和Dominator和Shark Bite系列有限产品库存。该专利包独特地公开了自调平紧固件技术，可以轻松地在倾斜角度进行安装，在纠正误差的同时扩大使用范围。该专利还公开了具备自锁性和自密封性的紧固件技术。本发明可用于突破性设计的多种紧固件，正如使用该专利技术的前述两项即将商业化的紧固件产品，其具备防松动、防断裂、防泄漏的特性。Grand View Research显示，2018年全球工业紧固件市场规模估计为833.4亿美元，复合年增长率为4.1%，预计到2025年将超过1100亿美元。

For further information or to bid on this lot, please email [Bid-Ask@OceanTomo.com](mailto: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](mailto:Bid-Ask@OceanTomo.com).

NO. 序号	PUBLICATION NO. 公开号	PATENT TITLE 专利名称	PRIMARY IP CLASS IPC主分类号	PRIORITY DATE 优先权日	FILE DATE 申请日	ISSUE/ PUBLICATION DATE 公开日	NO. OF FORWARD CITATIONS 前引数量
1	US 7,329,077 B2	Fastener apparatus for roofing and steel building construction 屋顶与钢结构建筑的紧固件装置管	F16B 43/00	7/1/04	4/20/05	2/12/08	15
2	US 7,597,518 B1	Fastener apparatus for roofing and steel building construction 屋顶与钢结构建筑的紧固件装置管	F16B 35/06	4/20/05	10/11/07	10/6/09	6
3	US 8,708,630 B1	Fastener apparatus with self-leveling head 自调平紧固件装置	F16B 43/02	4/4/07	3/9/12	4/29/14	1
4	US 9,447,814 B1	Fastener apparatus with self-leveling head 自调平紧固件装置	F16B 43/02	4/4/07	4/24/14	9/20/16	2
5	US 10,221,882 B1	Fastener apparatus with self-leveling head 自调平紧固件装置	F16B 5/02	4/4/07	9/16/16	3/5/19	0
6	US 16/290,866	Fastener apparatus with self-leveling head 自调平紧固件装置					
7	Inventory	Dominator and Shark Bite brand fasteners Dominator与Shark Bite系列紧固件产品					