



ASSET LIST

LOT 171: VTOL ANTI-STALL DUCTED FAN SYSTEM PATENTS FOR SALE

171号专利包:VTOL 防失速涵道风扇系统专利待拍

Ocean Tomo Bid-Ask™ Market patent auction lot 171 consists of two U.S. patents directed to an Aerospace Flow Control System designed specifically for tilting ducted fans on VTOL (Vertical Take-off and Landing) aircraft. It solves the stall issues that can occur with the leading-edge lip of the ducted fan when transitioning from VTOL mode to forward flight and vice versa. The unique aspect of this system is that it uses movable and detachable parts of the duct itself, which can be retracted into the whole ducted fan structure after the flow control process is completed, eliminating the need for external flow control apparatus that can become an aerodynamic hinderance. This system is a significant improvement over previous proposed solutions that tend to create their own issues and limitations. It will be of great interest to aircraft component suppliers, aircraft manufacturers, aircraft engine manufacturers, drone manufacturers, UAV manufacturers, and e-VTOL manufacturers. With the rapidly expanding e-VTOL market, the potential market size for this technology is immense. This is a unique opportunity to acquire a portfolio with the potential to transform the e-VTOL industry.

Ocean Tomo Bid-Ask™市场171号拍卖专利包包括两项美国专利, 涉及航空航天流量控制系统, 专为VTOL(垂直起降)飞机上的倾斜涵道风扇而设计。它解决了从VTOL模式过渡到向前飞行时涵道风扇前缘唇缘可能出现的失速问题, 反之亦然。该系统的独特之处在于它使用风管本身的可移动和可拆卸部件, 在完成流量控制过程后可以缩回到整个涵道风扇结构中, 无需外部流量控制装置即可成为空气动力装置阻碍。该系统是对以前提出的解决方案的重大改进, 这些解决方案往往会产生自己的问题和限制。飞机部件供应商、飞机制造商、飞机发动机制造商、无人机制造商、无人机制造商和 e-VTOL 制造商将非常感兴趣。随着 e-VTOL 市场的快速扩张, 该技术的潜在市场规模巨大。这是收购有可能改变 e-VTOL 行业的产品组合的难得机会。

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	US11584509	Axial Flow Ducted Fan with a Movable Section	B64C 11/00	6/27/2019	6/26/2020	2/21/2023	
		活动截面轴流涵道风机					
2	US18/110391	Axial Flow Ducted Fan with Movable Section	B64C 11/00	6/27/2019	2/16/2023	N/A	
		活动截面轴流涵道风机					