

**STARMESH GLOBAL™ WORLDWIDE PATENT PORTFOLIO**

PATENT No.	TITLE	APPLICATION No.	FILING DATE	ISSUE DATE	PRIORITY DATE
<b>FAMILY A: "BENT PIPE"</b>					
<a href="#">10,084,536</a>	RADIO SYSTEM USING SATELLITES	15/656,111	7/21/17	9/25/18	8/25/16
<a href="#">10,998,962</a>	RADIO SYSTEM USING SATELLITES	16/109,806	8/23/18	5/4/21	8/25/16
N/A	RADIO SYSTEM USING SATELLITES	17/214,821	3/27/21	N/A	8/25/16
<b>FAMILY B: "ROTATING SATELLITES"</b>					
N/A	RADIO SYSTEM USING NODES	PCT/US17/48110	8/23/17	N/A	8/23/17
<a href="#">10,447,381</a>	RADIO SYSTEM USING NODES	16/320,106	1/24/19	10/15/19	8/25/16
<a href="#">11,038,586</a>	RADIO SYSTEM USING NODES	16/574,109	9/18/19	6/15/21	8/25/16
N/A	RADIO SYSTEM USING NODES	17/317,310	5/11/21	N/A	8/25/16
<b>FAMILY C: "STAR ANTENNA"</b>					
<a href="#">10,085,200</a>	RADIO SYSTEM USING NODES WITH HIGH GAIN ANTENNAS	15/719,611	9/29/17	09/25/18	9/29/17
N/A	RADIO SYSTEM USING NODES WITH HIGH GAIN ANTENNAS	PCT/US18/53002	9/27/18	N/A	9/29/17
<a href="#">10,791,493</a>	RADIO SYSTEM USING NODES WITH HIGH GAIN ANTENNAS	16/110,538	8/23/18	09/29/20	9/29/17
N/A	RADIO SYSTEM USING NODES WITH HIGH GAIN ANTENNAS	17/000,292	8/22/20	N/A	9/29/17
<b>FAMILY D: "ROUTES BY ORBITAL KNOWLEDGE"</b>					
<a href="#">10,291,316</a>	DATA TRANSMISSION SYSTEMS AND METHODS USING SATELLITE-TO-SATELLITE RADIO LINKS	16/034,413	7/13/18	05/14/19	12/11/17
N/A	DATA TRANSMISSION SYSTEMS AND METHODS USING SATELLITE-TO-SATELLITE RADIO LINKS	PCT/US18/64041	12/5/18	N/A	12/11/17
<a href="#">10,784,953</a>	DATA TRANSMISSION SYSTEMS AND METHODS USING SATELLITE-TO-SATELLITE RADIO LINKS	16/252,877	1/21/19	09/22/20	12/11/17
<a href="#">11,206,079</a>	DATA TRANSMISSION SYSTEMS AND METHODS USING SATELLITE-TO-SATELLITE RADIO LINKS	16/997,973	8/20/20	12/21/21	12/11/17
N/A	DATA TRANSMISSION SYSTEMS AND METHODS USING SATELLITE-TO-SATELLITE RADIO LINKS	17/540,470	12/2/21	N/A	12/11/17
<b>FAMILY E: "ROUTING ALGORITHMS FOR STOCHASTIC-ORBIT SATELLITES"</b>					
N/A	COMMUNICATIONS SYSTEMS AND METHODS WITH STOCHASTICALLY DISTRIBUTED ORBITING SATELLITES	<a href="#">PCT/US19/041428</a>	7/11/19	N/A	7/12/18
<a href="#">10,979,136</a>	COMMUNICATIONS SYSTEMS AND METHODS WITH STOCHASTICALLY DISTRIBUTED ORBITING SATELLITES	16/955,451	6/18/20	4/13/21	7/12/18
N/A	COMMUNICATIONS SYSTEMS AND METHODS WITH STOCHASTICALLY DISTRIBUTED ORBITING SATELLITES	17/203,789	3/17/21	N/A	7/12/18
<b>FAMILY F: "DATA TRANSMISSION DIVERSITY"</b>					
N/A	DATA TRANSMISSION SYSTEMS AND METHODS FOR LOW EARTH ORBIT SATELLITE COMMUNICATIONS	17/322,950	5/18/21	N/A	5/18/20
<b>FAMILY G: "AERODYNAMIC LEO AND VLEO SATELLITES"</b>					
N/A	DATA TRANSMISSION SYSTEMS AND METHODS FOR LOW AND VERY LOW EARTH ORBIT SATELLITE COMMUNICATIONS	17/367,663	7/6/21	N/A	7/10/20

# STARMESH™ - LEO SATELLITE SYSTEMS

AS OF DECEMBER 3, 2021

PATENT No.	TITLE	APPLICATION No.	FILING DATE	ISSUE DATE	PRIORITY DATE
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**FAMILY H: "CONNECTING MOVING USERS VIA SATELLITES":**

N/A	SATELLITE MESH SYSTEMS AND METHODS FOR CREATING RADIO ROUTES BETWEEN MOVING USERS	17/539,236	12/1/21	N/A	12/2/20
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**FAMILY I: "WORLDWIDE COMMUNICATIONS USING DRONES AND SATELLITES"**

N/A	SYSTEMS AND METHODS FOR CREATING RADIO ROUTES AND TRANSMITTING DATA VIA ORBITING AND NON ORBITING NODES	17/539,240	12/1/21	N/A	12/2/20
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**NOTES:**

Foreign filings of Patent Families B, C, and D cover multiple jurisdictions, including group filings in the European Patent Office (covering all EU countries).