

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

Assignment ID: PATI793219

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
DIVERGENT TECHNOLOGIES, INC.	01/29/2025
CZV, INC.	01/29/2025

RECEIVING PARTY DATA

Company Name:	ROCHEFORT MANAGEMENT LLC
Street Address:	515 North Flagler Drive, Suite 2125
City:	West Palm Beach
State/Country:	FLORIDA
Postal Code:	33401

PROPERTY NUMBERS Total: 401

Property Type	Number
Patent Number:	11267047
Patent Number:	10317294
Patent Number:	10520372
Patent Number:	11073431
Patent Number:	11692876
Patent Number:	10207489
Patent Number:	10717264
Patent Number:	11674904
Patent Number:	12019026
Patent Number:	11517984
Patent Number:	12151316
Patent Number:	8354608
Patent Number:	10786850
Patent Number:	11260456
Patent Number:	8372224
Patent Number:	11260454
Patent Number:	12053841
Patent Number:	11536671
Patent Number:	10479020

PATENT

Property Type	Number
Patent Number:	11390035
Patent Number:	11938560
Patent Number:	10639745
Patent Number:	9999924
Patent Number:	11135654
Patent Number:	11607875
Patent Number:	11858207
Patent Number:	12172371
Patent Number:	11072043
Patent Number:	11931956
Patent Number:	10786948
Patent Number:	11478854
Patent Number:	10226817
Patent Number:	9884663
Patent Number:	10668965
Patent Number:	9975179
Patent Number:	10960468
Patent Number:	10960929
Patent Number:	10303159
Application Number:	10173255
Application Number:	11192168
Application Number:	11155005
Application Number:	10759090
Application Number:	11247367
Application Number:	10898968
Application Number:	10703419
Application Number:	11358337
Application Number:	11123973
Application Number:	10919230
Application Number:	10781846
Application Number:	10994876
Application Number:	11022375
Application Number:	10895315
Application Number:	11773956
Application Number:	10751800
Application Number:	10940609
Application Number:	11897163
Application Number:	10605285

Property Type	Number
Application Number:	11174884
Application Number:	10357959
Patent Number:	11001047
Patent Number:	11306751
Patent Number:	10960611
Patent Number:	11548236
Patent Number:	11292058
Patent Number:	10668816
Patent Number:	10814564
Patent Number:	11584094
Patent Number:	11786971
Patent Number:	10926599
Patent Number:	11110514
Patent Number:	11085473
Patent Number:	11754107
Patent Number:	11534828
Patent Number:	11420262
Patent Number:	10751934
Patent Number:	11673316
Patent Number:	11224943
Patent Number:	11267236
Patent Number:	12059867
Application Number:	11872689
Application Number:	11254381
Application Number:	11408216
Application Number:	11613078
Application Number:	11214317
Application Number:	10682821
Application Number:	11020800
Application Number:	11389816
Application Number:	10691104
Application Number:	11590727
Application Number:	11441586
Application Number:	11035511
Application Number:	11292056
Application Number:	11269311
Application Number:	10836120
Application Number:	11433557

Property Type	Number
Application Number:	11826953
Application Number:	11072371
Application Number:	11260582
Application Number:	12115583
Application Number:	12194536
Application Number:	11504912
Patent Number:	10663110
Patent Number:	11529741
Patent Number:	11449021
Patent Number:	11885000
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Patent Number:	12194674
Patent Number:	11884025
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Patent Number:	D983090

Property Type	Number
Application Number:	17091644
Application Number:	18922224
Application Number:	17828258
Application Number:	18440868
Application Number:	16833447
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Application Number:	62347953
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Application Number:	16155379
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Application Number:	15582457
Application Number:	15582485
Application Number:	15582470
Application Number:	17744381
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Application Number:	17408324
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Application Number:	62527535
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Application Number:	18404731
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Application Number:	62681582
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Property Type	Number
Application Number:	18601845
Application Number:	18601859
Application Number:	61994781
Application Number:	17176457
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Application Number:	62212556
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Application Number:	63139293
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Application Number:	63146986
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Application Number:	17690984
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Application Number:	17723253
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Application Number:	17664346
Application Number:	63192209
Application Number:	17697829

Property Type	Number
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Application Number:	63221885
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Application Number:	63274809
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Application Number:	18158948
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Application Number:	18159583
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Application Number:	63303007
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Application Number:	18483408
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Application Number:	63414857
Application Number:	63414855

Property Type	Number
Application Number:	18484319
Application Number:	63414854
Application Number:	63448641
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Application Number:	63379554
Application Number:	18488780
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Application Number:	63417912
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Application Number:	18597693
Application Number:	63450348
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Application Number:	63421454
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Application Number:	18597782
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Application Number:	18601748
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Application Number:	63452087
Application Number:	18601856
Application Number:	63451516
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Property Type	Number
Application Number:	18626255
Application Number:	63493947
Application Number:	63498216
Application Number:	18668039
Application Number:	63503443
Application Number:	18669455
Application Number:	63503435
Application Number:	63509502
Application Number:	18751093
Application Number:	63510082
Application Number:	63510077
Application Number:	18814143
Application Number:	63578639
Application Number:	63584282
Application Number:	63657757
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Application Number:	63578963
Application Number:	18818228
Application Number:	63579260
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Application Number:	63600303
Application Number:	18948335
Application Number:	63601658
Application Number:	18955672
Application Number:	63601637
Application Number:	18957226
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Application Number:	63662373
Application Number:	63662379
Application Number:	63662382
Application Number:	63663658
Application Number:	63693597
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Application Number:	63706312
Application Number:	63706431
Application Number:	18112146
Application Number:	17895904
Application Number:	17839853

Property Type	Number
Application Number:	17375983
Application Number:	18501838

CORRESPONDENCE DATA

Fax Number: 6172758374
Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.
Phone: 6177287100
Email: BOSPatents@dechert.com,Daphne.Cashion@dechert.com
Correspondent Name: Spencer Joffrion
Address Line 1: One International Place, 40th Floor, 100 Oliver Street
Address Line 4: Boston, MASSACHUSETTS 02110-2605

ATTORNEY DOCKET NUMBER:	215447
NAME OF SUBMITTER:	Daphne Cashion
SIGNATURE:	/Daphne Cashion/
DATE SIGNED:	01/30/2025

Total Attachments: 26

source=Rochefort_Divergent - Patent Security Agreement [Executed]#page1.tiff
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PATENT SECURITY AGREEMENT

This **PATENT SECURITY AGREEMENT** (this “*Agreement*”) is made this January 29, 2025, by and among **DIVERGENT TECHNOLOGIES, INC.**, a Delaware corporation (“*Divergent*”) and **CZV, INC.**, a Delaware corporation (“*CZV*” and, together with Divergent, each a “*Grantor*” and collectively, the “*Grantors*”), and **ROCHFORD MANAGEMENT LLC**, a Delaware limited liability company, as collateral Agent for the Lenders (in such capacity, together with its successors and permitted assigns in such capacities, the “*Collateral Agent*”) acting pursuant to this Agreement for the benefit of the Secured Parties (as defined in the Credit Agreement referred to below). All capitalized terms not defined herein shall have the meaning ascribed to them in the Credit Agreement or the Security Agreement, as applicable.

RECITALS

WHEREAS, Divergent and CZV, the other Loan Parties party thereto from time to time, the lenders from time to time party hereto (collectively, the “*Lenders*” and each a “*Lender*”), **ROCHFORD MANAGEMENT LLC**, a Delaware limited liability company as administrative agent and the Collateral Agent have entered into a Credit Agreement, dated as of January 29, 2025 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “*Credit Agreement*”);

WHEREAS, in connection with the Credit Agreement, the Loan Parties, including each of the Grantors, have entered into the Security Agreement, dated as of January 29, 2025 (as amended, restated, amended and restated, supplemented or otherwise modified from time to time, the “*Security Agreement*”) in favor of the Collateral Agent, for the benefit of the Secured Parties; and

WHEREAS, pursuant to the Security Agreement, each Grantor is required to grant and perfect a security interest in all of its Patents and Patent Licenses (collectively, the “*Owned IP*”) and to execute and deliver to the Collateral Agent, for the benefit of the Secured Parties, this Agreement.

NOW, THEREFORE, IT IS AGREED:

1. **GRANT OF SECURITY INTEREST IN IP COLLATERAL.** Each of the Grantors hereby grants to the Collateral Agent, for the benefit of the Secured Parties, a security interest in, all of the following, whether now owned or at any time hereafter acquired by such Grantor or in which each such Grantor now has or at any time in the future may acquire any right, title or interest, wherever located (collectively, the “*IP Collateral*”), as collateral security for the prompt and complete payment and performance when due (whether at the stated maturity, by acceleration or otherwise) of the Secured Obligations:

(a) all rights, priorities and privileges relating to the Owned IP, including, without limitation, the Owned IP referred to on Schedule I, and all rights to sue at law or in equity for any past, present and future infringement or other impairment thereof, including the right to receive all proceeds and damages therefrom;

(b) all books, records, and information pertaining to the IP Collateral, and all rights of access to such books, records, and information; and

(c) to the extent not otherwise included, all Proceeds, Supporting Obligations and products of, and all income, royalties and other payments now or hereafter due and payable with respect to, any and all of the foregoing and all collateral security, liens, guarantees, rights, remedies and privileges given by any Person with respect to any of the foregoing.

Notwithstanding the foregoing, "IP Collateral" shall not include the Excluded Collateral.

2. SECURITY FOR OBLIGATIONS. This Agreement has been executed and delivered by each of the Grantors for the purpose of recording the grant of security interest herein with the United States Patent and Trademark Office and in similar political subdivisions in foreign countries. This Agreement and the security interest created hereby secures the payment and performance of all the Secured Obligations, whether now existing or arising hereafter. Without limiting the generality of the foregoing, this Agreement secures the payment of all amounts which constitute part of the Secured Obligations and would be owed by each of the Grantors to the Collateral Agent or any Secured Party, whether or not they are unenforceable or not allowable due to the existence of an insolvency proceeding under the Bankruptcy Code involving each such Grantor.

3. SECURITY AGREEMENT. The security interest granted pursuant to this Agreement is granted in conjunction with the security interests granted to the Collateral Agent, for the benefit of the Secured Parties, pursuant to the Security Agreement. The Grantor hereby acknowledges and affirms that the rights and remedies of the Collateral Agent with respect to the security interest in the IP Collateral made and granted hereby are more fully set forth in the Security Agreement, the terms and provisions of which are incorporated by reference herein as if fully set forth herein. To the extent there is any inconsistency between this Agreement and the Security Agreement, the Security Agreement shall control.

4. AUTHORIZATION TO SUPPLEMENT. If any Grantor shall obtain rights to any new Owned IP or become entitled to the benefit of any Owned IP, including any reissue, division or continuation of any Owned IP, the provisions of this Agreement shall automatically apply thereto. Each Grantor shall give prompt notice in writing to the Collateral Agent with respect to any such new Owned IP or renewal or extension of any Owned IP registration or any such new Owned IP. Without limiting each of the Grantors' obligations under this Section 4, each Grantor hereby authorizes the Collateral Agent unilaterally to modify this Agreement by amending Schedule I to include any such new Owned IP of the Grantor. Notwithstanding the foregoing, no failure to so modify this Agreement or amend Schedule I shall in any way affect, invalidate or detract from the Collateral Agent's continuing security interest in all Collateral, whether or not listed on Schedule I.

5. COUNTERPARTS. This Agreement may be executed by one or more of the parties to this Agreement on any number of separate counterparts (including by telecopy, facsimile or other electronic transmission), and all of said counterparts taken together shall be deemed to constitute one and the same instrument. The effectiveness of this Agreement, the counterparts

hereof and the signatures hereto shall have the same force and effect as manually signed originals and shall be binding on all parties hereto.

6. OTHER INTERPRETIVE PROVISIONS. The provisions of Section 1.02, 1.05 and 1.08 of the Credit Agreement shall be incorporated by reference herein *mutatis mutandis*.

7. GOVERNING LAW. **THIS AGREEMENT AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES HEREUNDER SHALL BE GOVERNED BY, AND CONSTRUED AND INTERPRETED IN ACCORDANCE WITH, THE LAW OF THE STATE OF NEW YORK, WITHOUT REFERENCE TO CONFLICTS OF LAW PROVISIONS.**

[SIGNATURE PAGE FOLLOWS]

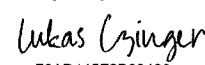
IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed and delivered as of the day and year first above written.

GRANTORS:

DIVERGENT TECHNOLOGIES, INC.

Signed by:
By: 
76AD445F2B33439...
Name: Lukas Czinger
Title: Chief Executive Officer and President

CZV, INC.

Signed by:
By: 
76AD445F2B33439...
Name: Lukas Czinger
Title: Chief Executive Officer and President

COLLATERAL AGENT:

ROCHFORD MANAGEMENT LLC

By: 

Name: Alex Lemond

Title: President

[SIGNATURE PAGE TO PATENT SECURITY AGREEMENT]

PATENT
REEL: 070074 FRAME: 0306

SCHEDULE I
TO
PATENT SECURITY AGREEMENT

Issued Patents

<u>Name of Grantor</u>	<u>Jurisdiction</u>	<u>Patent No.</u>	<u>Issue Date</u>	<u>Title</u>
Divergent Technologies, Inc.	United States	11267047	03/08/2022	MATERIAL QUALIFICATION SYSTEM AND METHODOLOGY
Divergent Technologies, Inc.	United States	10317294	06/11/2019	OPTICAL MAUFACTURING PROCESS SENSING AND STATUS INDICATION SYSTEM
Divergent Technologies, Inc.	United States	10520372	12/31/2019	OPTICAL MANUFACTURING PROCESS SENSING AND STATUS INDICATION SYSTEM
Divergent Technologies, Inc.	United States	11073431	07/27/2021	OPTICAL MANUFACTURING PROCESS SENSING AND STATUS INDICATION SYSTEM
Divergent Technologies, Inc.	United States	11692876	07/04/2023	OPTICAL MANUFACTURING PROCESS SENSING AND STATUS INDICATION SYSTEM
Divergent Technologies, Inc.	United States	10207489	02/19/2019	SYSTEMS AND METHODS FOR ADDITIVE MANUFACTURING OPERATIONS
Divergent Technologies, Inc.	United States	10717264	07/21/2020	SYSTEMS AND METHODS FOR ADDITIVE MANUFACTURING OPERATIONS
Divergent Technologies, Inc.	United States	11674904	06/13/2023	SYSTEMS AND METHODS FOR ADDITIVE MANUFACTURING OPERATIONS
Divergent Technologies, Inc.	United States	12019026	06/25/2024	SYSTEMS AND METHODS FOR ADDITIVE MANUFACTURING OPERATIONS
Divergent Technologies, Inc.	United States	11517984	12/06/2022	METHODS AND SYSTEMS FOR QUALITY INFERENCE AND CONTROL FOR ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	12151316	11/26/2024	METHODS AND SYSTEMS FOR QUALITY INFERENCE AND CONTROL FOR ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	8354608	01/15/2013	METHODS FOR CONTROL OF A FUSION WELDING PROCESS BY MAINTAINING A CONTROLLED WELD POOL VOLUME
Divergent Technologies, Inc.	United States	10786850	09/29/2020	PHOTODETECTOR ARRAY FOR ADDITIVE MANUFACTURING OPERATIONS
Divergent Technologies, Inc.	United States	11260456	03/01/2022	PHOTODETECTOR ARRAY FOR ADDITIVE MANUFACTURING OPERATIONS
Divergent Technologies, Inc.	United States	8372224	02/12/2013	STRUCTURALLY SOUND REACTIVE MATERIALS
Divergent Technologies, Inc.	United States	11260454	03/01/2022	CORRECTION OF NON-IMAGING THERMAL MEASUREMENT DEVICES
Divergent Technologies, Inc.	United States	12053841	08/06/2024	LAYER-BASED DEFECT DETECTION USING NORMALIZED SENSOR DATA
Divergent Technologies, Inc.	United States	11536671	12/27/2022	DEFECT IDENTIFICATION USING MACHINE LEARNING IN AN ADDITIVE MANUFACTURING SYSTEM

Name of Grantor	Jurisdiction	Patent No.	Issue Date	Title
Divergent Technologies, Inc.	United States	10479020	11/19/2019	SYSTEMS AND METHODS FOR MEASURING RADIATED THERMAL ENERGY DURING AN ADDITIVE MANUFACTURING OPERATION
Divergent Technologies, Inc.	United States	11390035	07/19/2022	SYSTEMS AND METHODS FOR MEASURING RADIATED THERMAL ENERGY DURING AN ADDITIVE MANUFACTURING OPERATION
Divergent Technologies, Inc.	United States	11938560	03/26/2024	SYSTEMS AND METHODS FOR MEASURING RADIATED THERMAL ENERGY DURING AN ADDITIVE MANUFACTURING OPERATION
Divergent Technologies, Inc.	United States	10639745	05/05/2020	SYSTEMS AND METHODS FOR MEASURING RADIATED THERMAL ENERGY DURING AN ADDITIVE MANUFACTURING OPERATION
Divergent Technologies, Inc.	United States	9999924	06/19/2018	METHOD AND SYSTEM FOR MONITORING ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	11135654	10/05/2021	METHOD AND SYSTEM FOR MONITORING ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	11607875	03/21/2023	METHOD AND SYSTEM FOR MONITORING ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	11858207	01/02/2024	DEFECT DETECTION FOR ADDITIVE MANUFACTURING SYSTEMS
Divergent Technologies, Inc.	United States	12172371	12/24/2024	DEFECT DETECTION FOR ADDITIVE MANUFACTURING SYSTEMS
Divergent Technologies, Inc.	United States	11072043	07/27/2021	LAYER-BASED DEFECT DETECTION USING NORMALIZED SENSOR DATA
Divergent Technologies, Inc.	United States	11931956	03/19/2024	MULTI-SENSOR QUALITY INFERENCE AND CONTROL FOR ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	10786948	09/29/2020	MULTI-SENSOR QUALITY INFERENCE AND CONTROL FOR ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	11478854	10/25/2022	MULTI-SENSOR QUALITY INFERENCE AND CONTROL FOR ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	10226817	03/12/2019	MATERIAL QUALIFICATION SYSTEM AND METHODOLOGY
Divergent Technologies, Inc.	United States	9884663	02/06/2018	MODULAR FORMED NODES FOR VEHICLE CHASSIS AND THEIR METHODS OF USE
Divergent Technologies, Inc.	United States	10668965	06/02/2020	NODES WITH INTEGRATED ADHESIVE PORTS AND CHANNELS FOR CONSTRUCTION OF COMPLEX STRUCTURES
Divergent Technologies, Inc.	United States	9975179	05/22/2018	SYSTEMS AND METHODS FOR FABRICATING JOINT MEMBERS
Divergent Technologies, Inc.	United States	10960468	03/30/2021	STRESS-BASED METHOD FOR OPTIMIZATION OF JOINT MEMBERS WITHIN A COMPLEX STRUCTURE
Divergent Technologies, Inc.	United States	10960929	03/30/2021	SYSTEMS AND METHODS FOR VEHICLE SUBASSEMBLY AND FABRICATION
Divergent Technologies, Inc.	United States	10303159	05/28/2019	SYSTEMS AND METHODS FOR ADDITIVE MANUFACTURING OF TRANSPORT STRUCTURES

Name of Grantor	Jurisdiction	Patent No.	Issue Date	Title
Divergent Technologies, Inc.	United States	10173255	01/08/2019	SYSTEMS AND METHODS FOR ARC AND NODE DESIGN AND MANUFACTURE
Divergent Technologies, Inc.	United States	11192168	12/07/2021	SYSTEMS AND METHODS FOR ARC AND NODE DESIGN AND MANUFACTURE
Divergent Technologies, Inc.	United States	11155005	10/26/2021	3D-PRINTED TOOLING AND METHODS FOR PRODUCING SAME
Divergent Technologies, Inc.	United States	10759090	09/01/2020	METHODS FOR PRODUCING PANELS USING 3D-PRINTED TOOLING SHELLS
Divergent Technologies, Inc.	United States	11247367	02/15/2022	3D-PRINTED TOOLING SHELLS
Divergent Technologies, Inc.	United States	10898968	01/26/2021	SCATTER REDUCTION IN ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	10703419	07/07/2020	APPARATUS AND METHODS FOR JOINING PANELS
Divergent Technologies, Inc.	United States	11358337	06/14/2022	ROBOTIC ASSEMBLY OF TRANSPORT STRUCTURES USING ON-SITE ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	11123973	09/21/2021	AN INTERCONNECTED DEFLECTABLE PANEL AND NODE
Divergent Technologies, Inc.	United States	10919230	02/16/2021	NODE WITH CO-PRINTED INTERCONNECT AND METHODS FOR PRODUCING SAME
Divergent Technologies, Inc.	United States	10781846	09/22/2020	3-D-PRINTED COMPONENTS INCLUDING FASTENERS AND METHODS FOR PRODUCING SAME
Divergent Technologies, Inc.	United States	10994876	05/04/2021	AUTOMATED WRAPPING OF COMPONENTS IN TRANSPORT STRUCTURES
Divergent Technologies, Inc.	United States	11022375	06/01/2021	APPARATUS AND METHODS FOR ADDITIVELY MANUFACTURING MICROTUBE HEAT EXCHANGERS
Divergent Technologies, Inc.	United States	10895315	01/19/2021	SYSTEMS AND METHODS FOR IMPLEMENTING NODE TO NODE CONNECTIONS IN MECHANIZED ASSEMBLIES
Divergent Technologies, Inc.	United States	11773956	10/03/2023	SYSTEMS AND METHODS FOR IMPLEMENTING NODE TO NODE CONNECTIONS IN MECHANIZED ASSEMBLIES
Divergent Technologies, Inc.	United States	10751800	08/25/2020	METHODS AND APPARATUS FOR ADDITIVELY MANUFACTURED EXOSKELETON-BASED TRANSPORT STRUCTURES
Divergent Technologies, Inc.	United States	10940609	03/09/2021	METHODS AND APPARATUS FOR ADDITIVELY MANUFACTURED ENDOSKELETON-BASED TRANSPORT STRUCTURES
Divergent Technologies, Inc.	United States	11897163	02/13/2024	METHODS AND APPARATUS FOR ADDITIVELY MANUFACTURED ENDOSKELETON-BASED TRANSPORT STRUCTURES
Divergent Technologies, Inc.	United States	10605285	03/31/2020	SYSTEMS AND METHODS FOR JOINING NODE AND TUBE STRUCTURES
Divergent Technologies, Inc.	United States	11174884	11/16/2021	SYSTEMS AND METHODS FOR JOINING NODE AND TUBE STRUCTURES
Divergent Technologies, Inc.	United States	10357959	07/23/2019	METHODS AND APPARATUS FOR ADDITIVELY MANUFACTURED IDENTIFICATION FEATURES

Name of Grantor	Jurisdiction	Patent No.	Issue Date	Title
Divergent Technologies, Inc.	United States	11001047	05/11/2021	METHODS FOR ADDITIVELY MANUFACTURED IDENTIFICATION FEATURES
Divergent Technologies, Inc.	United States	11306751	04/19/2022	APPARATUS AND METHODS FOR CONNECTING TUBES IN TRANSPORT STRUCTURES
Divergent Technologies, Inc.	United States	10960611	03/30/2021	METHODS AND APPARATUSES FOR UNIVERSAL INTERFACE BETWEEN PARTS IN TRANSPORT STRUCTURES
Divergent Technologies, Inc.	United States	11548236	01/10/2023	METHODS AND APPARATUSES FOR UNIVERSAL INTERFACE BETWEEN PARTS IN TRANSPORT STRUCTURES
Divergent Technologies, Inc.	United States	11292058	04/05/2022	APPARATUS AND METHODS FOR OPTIMIZATION OF POWDER REMOVAL FEATURES IN ADDITIVELY MANUFACTURED COMPONENTS
Divergent Technologies, Inc.	United States	10668816	06/02/2020	SOLAR EXTENDED RANGE ELECTRIC VEHICLE WITH PANEL DEPLOYMENT AND EMITTER TRACKING
Divergent Technologies, Inc.	United States	10814564	10/27/2020	COMPOSITE MATERIAL INLAY IN ADDITIVELY MANUFACTURED STRUCTURES
Divergent Technologies, Inc.	United States	11584094	02/21/2023	COMPOSITE MATERIAL INLAY IN ADDITIVELY MANUFACTURED STRUCTURES
Divergent Technologies, Inc.	United States	11786971	10/17/2023	STRUCTURES AND METHODS FOR HIGH VOLUME PRODUCTION OF COMPLEX STRUCTURES USING INTERFACE NODES
Divergent Technologies, Inc.	United States	10926599	02/23/2021	SUSPENSION SYSTEMS USING HYDRAULIC DAMPERS
Divergent Technologies, Inc.	United States	11110514	09/07/2021	APPARATUS AND METHODS FOR CONNECTING NODES TO TUBES IN TRANSPORT STRUCTURES
Divergent Technologies, Inc.	United States	11085473	08/10/2021	METHODS AND APPARATUS FOR FORMING NODE TO PANEL JOINTS
Divergent Technologies, Inc.	United States	11754107	09/12/2023	METHODS AND APPARATUS FOR FORMING NODE TO PANEL JOINTS
Divergent Technologies, Inc.	United States	11534828	12/27/2022	ASSEMBLING STRUCTURES COMPRISING 3D PRINTED COMPONENTS AND STANDARDIZED COMPONENTS UTILIZING ADHESIVE CIRCUITS
Divergent Technologies, Inc.	United States	11420262	08/23/2022	SYSTEMS AND METHODS FOR CO-CASTING OF ADDITIVELY MANUFACTURED INTERFACE NODES
Divergent Technologies, Inc.	United States	10751934	08/25/2020	APPARATUS AND METHODS FOR ADDITIVE MANUFACTURING WITH VARIABLE EXTRUDER PROFILES
Divergent Technologies, Inc.	United States	11673316	06/13/2023	APPARATUS AND METHODS FOR ADDITIVE MANUFACTURING WITH VARIABLE EXTRUDER PROFILES
Divergent Technologies, Inc.	United States	11224943	01/18/2022	VARIABLE BEAM GEOMETRY LASER-BASED POWDER BED FUSION
Divergent Technologies, Inc.	United States	11267236	03/08/2022	SINGLE SHEAR JOINTS FOR NODE-TO-NODE CONNECTIONS
Divergent Technologies, Inc.	United States	12059867	08/13/2024	SINGLE SHEAR JOINT FOR NODE-TO-NODE CONNECTIONS

Name of Grantor	Jurisdiction	Patent No.	Issue Date	Title
Divergent Technologies, Inc.	United States	11872689	01/16/2024	END EFFECTOR FEATURES FOR ADDITIVELY MANUFACTURED COMPONENTS
Divergent Technologies, Inc.	United States	11254381	02/22/2022	MANUFACTURING CELL BASED VEHICLE MANUFACTURING SYSTEM AND METHOD
Divergent Technologies, Inc.	United States	11408216	08/09/2022	SYSTEMS AND METHODS FOR CO-PRINTED OR CONCURRENTLY ASSEMBLED HINGE STRUCTURES
Divergent Technologies, Inc.	United States	11613078	03/28/2023	APPARATUS AND METHODS FOR ADDITIVELY MANUFACTURING ADHESIVE INLET AND OUTLET PORTS
Divergent Technologies, Inc.	United States	11214317	01/04/2022	SYSTEMS AND METHODS FOR JOINING NODES AND OTHER STRUCTURES
Divergent Technologies, Inc.	United States	10682821	06/16/2020	FLEXIBLE TOOLING SYSTEM AND METHOD FOR MANUFACTURING OF COMPOSITE STRUCTURES
Divergent Technologies, Inc.	United States	11020800	06/01/2021	APPARATUS AND METHODS FOR SEALING POWDER HOLES IN ADDITIVELY MANUFACTURED PARTS
Divergent Technologies, Inc.	United States	11389816	07/19/2022	MULTI-CIRCUIT SINGLE PORT DESIGN IN ADDITIVELY MANUFACTURED NODE
Divergent Technologies, Inc.	United States	10691104	06/23/2020	ADDITIVELY MANUFACTURING STRUCTURES FOR INCREASED SPRAY FORMING RESOLUTION OR INCREASED FATIGUE LIFE
Divergent Technologies, Inc.	United States	11590727	02/28/2023	CUSTOM ADDITIVELY MANUFACTURED CORE STRUCTURES
Divergent Technologies, Inc.	United States	11441586	09/13/2022	APPARATUS FOR INJECTING FLUIDS IN NODE BASED CONNECTIONS
Divergent Technologies, Inc.	United States	11035511	06/15/2021	QUICK-CHANGE END EFFECTOR
Divergent Technologies, Inc.	United States	11292056	04/05/2022	COLD-SPRAY NOZZLE
Divergent Technologies, Inc.	United States	11269311	03/08/2022	SPRAY FORMING STRUCTURAL JOINTS
Divergent Technologies, Inc.	United States	10836120	11/17/2020	HYBRID COMPOSITE STRUCTURES WITH INTEGRATED 3-D PRINTED ELEMENTS
Divergent Technologies, Inc.	United States	11433557	09/06/2022	BUFFER BLOCK APPARATUSES AND SUPPORTING APPARATUSES
Divergent Technologies, Inc.	United States	11826953	11/28/2023	SURROGATE SUPPORTS IN ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	11072371	07/27/2021	APPARATUS AND METHODS FOR ADDITIVELY MANUFACTURED STRUCTURES WITH AUGMENTED ENERGY ABSORPTION PROPERTIES
Divergent Technologies, Inc.	United States	11260582	03/01/2022	METHODS AND APPARATUS FOR MANUFACTURING OPTIMIZED PANELS AND OTHER COMPOSITE STRUCTURES
Divergent Technologies, Inc.	United States	12115583	10/15/2024	SYSTEMS AND METHODS FOR ADHESIVE-BASED PART RETENTION FEATURES IN ADDITIVELY MANUFACTURED STRUCTURES
Divergent Technologies, Inc.	United States	12194536	01/14/2025	3-D PRINTER WITH MANIFOLDS FOR GAS EXCHANGE
Divergent Technologies, Inc.	United States	11504912	11/22/2022	SELECTIVE END EFFECTOR MODULAR ATTACHMENT DEVICE

Name of Grantor	Jurisdiction	Patent No.	Issue Date	Title
Divergent Technologies, Inc.	United States	10663110	05/26/2020	METROLOGY APPARATUS TO FACILITATE CAPTURE OF METROLOGY DATA
Divergent Technologies, Inc.	United States	11529741	12/20/2022	SYSTEM AND METHOD FOR POSITIONING ONE OR MORE ROBOTIC APPARATUSES
Divergent Technologies, Inc.	United States	11449021	09/20/2022	SYSTEMS AND METHODS FOR HIGH ACCURACY FIXTURELESS ASSEMBLY
Divergent Technologies, Inc.	United States	11885000	01/30/2024	IN SITU THERMAL TREATMENT FOR PBF SYSTEMS
Divergent Technologies, Inc.	United States	11203240	12/21/2021	WISHBONE STYLE CONTROL ARM ASSEMBLIES AND METHODS FOR PRODUCING SAME
Divergent Technologies, Inc.	United States	11912339	02/27/2024	3-D PRINTED CHASSIS STRUCTURE WITH SELF-SUPPORTING RIBS
Divergent Technologies, Inc.	United States	11590703	02/28/2023	INFRARED RADIATION SENSING AND BEAM CONTROL IN ELECTRON BEAM ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	11479015	10/25/2022	CUSTOM FORMED PANELS FOR TRANSPORT STRUCTURES AND METHODS FOR ASSEMBLING SAME
Divergent Technologies, Inc.	United States	12194674	01/14/2025	MULTI-MATERIAL POWDER BED FUSION 3-D PRINTER
Divergent Technologies, Inc.	United States	11884025	01/30/2024	THREE-DIMENSIONAL PRINTER AND METHODS FOR ASSEMBLING PARTS VIA INTEGRATION OF ADDITIVE AND CONVENTIONAL MANUFACTURING OPERATIONS
Divergent Technologies, Inc.	United States	12203397	01/21/2025	IMPACT ENERGY ABSORBER WITH INTEGRATED ENGINE EXHAUST NOISE MUFFLER
Divergent Technologies, Inc.	United States	11535322	12/27/2022	OMNI-POSITIONAL ADHESION DEVICE
Divergent Technologies, Inc.	United States	11421577	08/23/2022	EXHAUST HEADERS WITH INTEGRATED HEAT SHIELDING AND THERMAL SYPHONING
Divergent Technologies, Inc.	United States	11413686	08/16/2022	METHODS AND APPARATUSES FOR SEALING MECHANISMS FOR REALIZING ADHESIVE CONNECTIONS WITH ADDITIVELY MANUFACTURED COMPONENTS
Divergent Technologies, Inc.	United States	12111638	10/08/2024	ADAPTIVE PRODUCTION SYSTEM
Divergent Technologies, Inc.	United States	11850804	12/26/2023	RADIATION-ENABLED RETENTION FEATURES FOR FIXTURELESS ASSEMBLY OF NODE-BASED STRUCTURES
Divergent Technologies, Inc.	United States	11806941	11/07/2023	MECHANICAL PART RETENTION FEATURES FOR ADDITIVELY MANUFACTURED STRUCTURES
Divergent Technologies, Inc.	United States	12103008	10/01/2024	METHODS AND APPARATUSES FOR BALL MILLING TO PRODUCE POWDER FOR ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	12083596	09/10/2024	THERMAL ELEMENTS FOR DISASSEMBLY OF NODE-BASED ADHESIVELY BONDED STRUCTURES
Divergent Technologies, Inc.	United States	11872626	01/16/2024	SYSTEMS AND METHODS FOR FLOATING PIN JOINT DESIGN
Divergent Technologies, Inc.	United States	11947335	04/02/2024	MULTI-COMPONENT STRUCTURE OPTIMIZATION FOR COMBINING 3-D

Name of Grantor	Jurisdiction	Patent No.	Issue Date	Title
				PRINTED AND COMMERCIALY AVAILABLE PARTS
Divergent Technologies, Inc.	United States	11928966	03/12/2024	VIRTUAL RAILROAD
Divergent Technologies, Inc.	United States	11845130	12/19/2023	ROTATIONAL ADDITIVE MANUFACTURING SYSTEMS AND METHODS
Divergent Technologies, Inc.	United States	12090551	09/17/2024	REMOVAL OF SUPPORTS, AND OTHER MATERIALS FROM SURFACE, AND WITHIN HOLLOW 3D PRINTED PARTS
Divergent Technologies, Inc.	United States	12138772	11/12/2024	MOBILE PARTS TABLE
Divergent Technologies, Inc.	United States	12152629	11/26/2024	ATTACHMENT STRUCTURE HAVING A CONNECTION MEMBER WITH MULTIPLE ATTACHMENT FEATURES
Divergent Technologies, Inc.	United States	11865617	01/09/2024	METHODS AND APPARATUSES FOR WIDE-SPECTRUM CONSUMPTION OF OUTPUT OF ATOMIZATION PROCESSES ACROSS MULTI-PROCESS AND MULTI-SCALE ADDITIVE MANUFACTURING MODALITIES
Divergent Technologies, Inc.	United States	11931956	03/19/2024	MULTI-SENSOR QUALITY INFERENCE AND CONTROL FOR ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	11607875	03/21/2023	METHOD AND SYSTEM FOR MONITORING ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	11536671	12/27/2022	DEFECT IDENTIFICATION USING MACHINE LEARNING IN AN ADDITIVE MANUFACTURING SYSTEM
Divergent Technologies, Inc.	United States	11692876	07/04/2023	OPTICAL MANUFACTURING PROCESS SENSING AND STATUS INDICATION SYSTEM
Divergent Technologies, Inc.	United States	11260456	03/01/2022	PHOTODETECTOR ARRAY FOR ADDITIVE MANUFACTURING OPERATIONS
Divergent Technologies, Inc.	United States	11478854	10/25/2022	MULTI-SENSOR QUALITY INFERENCE AND CONTROL FOR ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	11674904	06/13/2023	SYSTEMS AND METHODS FOR ADDITIVE MANUFACTURING OPERATIONS
Divergent Technologies, Inc.	United States	11073431	07/27/2021	OPTICAL MANUFACTURING PROCESS SENSING AND STATUS INDICATION SYSTEM
Divergent Technologies, Inc.	United States	11390035	07/19/2022	SYSTEMS AND METHODS FOR MEASURING RADIATED THERMAL ENERGY DURING AN ADDITIVE MANUFACTURING OPERATION
Divergent Technologies, Inc.	United States	10520372	12/31/2019	OPTICAL MANUFACTURING PROCESS SENSING AND STATUS INDICATION SYSTEM
Divergent Technologies, Inc.	United States	10786850	09/29/2020	PHOTODETECTOR ARRAY FOR ADDITIVE MANUFACTURING OPERATIONS
Divergent Technologies, Inc.	United States	10639745	05/05/2020	SYSTEMS AND METHODS FOR MEASURING RADIATED THERMAL ENERGY DURING AN ADDITIVE MANUFACTURING OPERATION

Name of Grantor	Jurisdiction	Patent No.	Issue Date	Title
Divergent Technologies, Inc.	United States	11267047	03/08/2022	MATERIAL QUALIFICATION SYSTEM AND METHODOLOGY
Divergent Technologies, Inc.	United States	10717264	07/21/2020	SYSTEMS AND METHODS FOR ADDITIVE MANUFACTURING OPERATIONS
Divergent Technologies, Inc.	United States	11517984	12/06/2022	METHODS AND SYSTEMS FOR QUALITY INFERENCE AND CONTROL FOR ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	11260454	03/01/2022	CORRECTION OF NON-IMAGING THERMAL MEASUREMENT DEVICES
Divergent Technologies, Inc.	United States	10479020	11/19/2019	SYSTEMS AND METHODS FOR MEASURING RADIATED THERMAL ENERGY DURING AN ADDITIVE MANUFACTURING OPERATION
Divergent Technologies, Inc.	United States	11135654	10/05/2021	METHOD AND SYSTEM FOR MONITORING ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	11072043	07/27/2021	LAYER-BASED DEFECT DETECTION USING NORMALIZED SENSOR DATA
Divergent Technologies, Inc.	United States	10207489	02/19/2019	SYSTEMS AND METHODS FOR ADDITIVE MANUFACTURING OPERATIONS
Divergent Technologies, Inc.	United States	10317294	06/11/2019	OPTICAL MANUFACTURING PROCESS SENSING AND STATUS INDICATION SYSTEM
Divergent Technologies, Inc.	United States	10226817	03/12/2019	MATERIAL QUALIFICATION SYSTEM AND METHODOLOGY
Divergent Technologies, Inc.	United States	10786948	09/29/2020	MULTI-SENSOR QUALITY INFERENCE AND CONTROL FOR ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	9999924	06/19/2018	METHOD AND SYSTEM FOR MONITORING ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	5716532	02/10/1998	DEMETALLIZATION OF POLYMER/METAL MULTILAYER FILMS BY ETCHING
Divergent Technologies, Inc.	United States	5731948	03/24/1998	HIGH ENERGY DENSITY CAPACITOR
CZV, Inc.	United States	D780635	03/7/2017	VEHICLE
CZV, Inc.	United States	D911222	02/23/2021	VEHICLE AND/OR REPLICA
CZV, Inc.	United States	D983090	04/11/2023	VEHICLE AND/OR REPLICA

Pending Patent Applications

Name of Grantor	Jurisdiction	Serial No.	Filing Date	Title
Divergent Technologies, Inc.	United States	17/091,644	11/06/2020	OPTICAL FILTER HAVING DUAL POLARIZATION
Divergent Technologies, Inc.	United States	18/922,224	10/29/2024	METHODS AND SYSTEMS FOR QUALITY INFERENCE AND CONTROL FOR ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	17/828,258	05/31/2022	POWDER BED DEFECT DETECTION AND MACHINE LEARNING
Divergent Technologies, Inc.	United States	18/440,868	02/13/2024	MULTI-SENSOR QUALITY INFERENCE AND CONTROL FOR ADDITIVE MANUFACTURING PROCESSES

Name of Grantor	Jurisdiction	Serial No.	Filing Date	Title
Divergent Technologies, Inc.	United States	18/661,222	05/10/2024	SYSTEMS AND METHODS FOR ADDITIVE MANUFACTURING OPERATIONS
Divergent Technologies, Inc.	United States	17/349,747	06/16/2021	DETERMINATION AND CONTROL OF COOLING RATE IN AN ADDITIVE MANUFACTURING SYSTEM
Divergent Technologies, Inc.	United States	17/555,065	12/17/2021	SENSOR DECONFLICTION IN MULTILASER ADDITIVE MANUFACTURING SYSTEMS
Divergent Technologies, Inc.	United States	18/776,885	07/18/2024	LAYER-BASED DEFECT DETECTION USING NORMALIZED SENSOR DATA
Divergent Technologies, Inc.	United States	17/989,583	11/17/2022	DEFECT IDENTIFICATION USING MACHINE LEARNING IN AN ADDITIVE MANUFACTURING SYSTEM
Divergent Technologies, Inc.	United States	17/719,729	04/13/2022	APPARATUS AND METHODS FOR CALIBRATING ON-AXIS TEMPERATURE SENSORS FOR ADDITIVE MANUFACTURING SYSTEMS
Divergent Technologies, Inc.	United States	16/831,232	03/26/2020	SYSTEMS AND METHODS FOR MEASURING RADIATED THERMAL ENERGY DURING AN ADDITIVE MANUFACTURING OPERATION
Divergent Technologies, Inc.	United States	17/847,038	06/22/2022	SYSTEMS AND METHODS FOR MEASURING RADIATED THERMAL ENERGY DURING AN ADDITIVE MANUFACTURING OPERATION
Divergent Technologies, Inc.	United States	18/601,845	03/11/2024	SEQUENTIAL DETERMINATION OF THERMAL ENERGY DENSITY FOR AN ADDITIVE MANUFACTURING OPERATION
Divergent Technologies, Inc.	United States	18/601,859	03/11/2024	DETERMINATION OF THERMAL ENERGY DENSITY FOR AN AREA FOR AN ADDITIVE MANUFACTURING OPERATION
Divergent Technologies, Inc.	United States	61/994,781	05/16/2014	MODULAR FORMED NODES FOR VEHICLE CHASSIS AND THEIR METHODS OF USE
Divergent Technologies, Inc.	United States	17/176,457	02/16/2021	SYSTEMS AND METHODS FOR VEHICLE SUBASSEMBLY AND FABRICATION
Divergent Technologies, Inc.	United States	62/020,084	07/02/2014	SYSTEMS AND METHODS FOR FABRICATING JOINT MEMBERS
Divergent Technologies, Inc.	United States	62/212,556	08/31/2015	SYSTEMS AND METHODS FOR VEHICLE FABRICATION
Divergent Technologies, Inc.	United States	62/255,372	11/13/2015	SYSTEMS AND METHODS FOR VEHICLE SUBASSEMBLY AND FABRICATION
Divergent Technologies, Inc.	United States	15/173,365	06/03/2016	SYSTEMS AND METHODS FOR ADHESIVE INJECTION FOR NODE ASSEMBLY
Divergent Technologies, Inc.	United States	62/170,988	06/04/2015	SYSTEMS AND METHODS FOR ADHESIVE INJECTION FOR NODE ASSEMBLY
Divergent Technologies, Inc.	United States	62/340,930	05/24/2016	SYSTEMS AND METHODS FOR ENGINEERING OPTIMIZATION FOR 3D PRINTED STRUCTURES
Divergent Technologies, Inc.	United States	16/833,420	03/27/2020	SYSTEMS AND METHODS FOR ADDITIVE MANUFACTURING OF TRANSPORT STRUCTURES

Name of Grantor	Jurisdiction	Serial No.	Filing Date	Title
Divergent Technologies, Inc.	United States	16/833,447	03/27/2020	SYSTEMS AND METHODS FOR ADDITIVE MANUFACTURING OF TRANSPORT STRUCTURES
Divergent Technologies, Inc.	United States	16/198,543	11/21/2018	EXTRUDED ARC STRUCTURES FOR USE WITH NODES
Divergent Technologies, Inc.	United States	62/347,953	06/09/2016	SYSTEMS AND METHODS FOR NODE AND ARC DESIGN AND MANUFACTURE
Divergent Technologies, Inc.	United States	15/446,932	03/01/2017	3-D PRINTING USING SPRAY FORMING
Divergent Technologies, Inc.	United States	15/582,409	04/28/2017	SUPPORT STRUCTURES IN ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	16/155,379	10/09/2018	APPARATUS AND METHODS FOR REMOVABLE SUPPORT STRUCTURES IN ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	15/725,136	10/04/2017	APPARATUS AND METHODS FOR REMOVABLE SUPPORT STRUCTURES IN ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	17/125,796	12/17/2020	SCATTER REDUCTION IN ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	15/582,457	04/28/2017	ADDITIVE MANUFACTURING CONTROL SYSTEMS
Divergent Technologies, Inc.	United States	15/582,485	04/28/2017	MULTI-MATERIALS AND PRINT PARAMETERS FOR ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	15/582,470	04/28/2017	POWDER-BED FUSION BEAM SCANNING
Divergent Technologies, Inc.	United States	17/744,381	05/13/2022	ROBOTIC ASSEMBLY OF TRANSPORT STRUCTURES USING ON-SITE ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	15/607,055	05/26/2017	MATERIAL HANDLING IN ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	15/613,036	06/02/2017	NODE WITH CO-PRINTED LOCATING FEATURES AND METHODS FOR PRODUCING SAME
Divergent Technologies, Inc.	United States	17/408,324	08/20/2021	INTERCONNECTED DEFLECTABLE PANEL AND NODE AND METHODS FOR PRODUCING SAME
Divergent Technologies, Inc.	United States	17/150,226	01/15/2021	NODE WITH CO-PRINTED INTERCONNECT AND METHODS FOR PRODUCING SAME
Divergent Technologies, Inc.	United States	62/527,535	06/30/2017	AUTOMATED WRAPPING OF TRANSPORT STRUCTURES
Divergent Technologies, Inc.	United States	18/404,799	01/04/2024	METHODS AND APPARATUS FOR ADDITIVELY MANUFACTURED ENDOSKELETON-BASED TRANSPORT STRUCTURES
Divergent Technologies, Inc.	United States	18/404,731	01/04/2024	METHODS AND APPARATUS FOR ADDITIVELY MANUFACTURED ENDOSKELETON-BASED TRANSPORT STRUCTURES
Divergent Technologies, Inc.	United States	15/682,385	08/21/2017	SYSTEMS AND METHODS FOR BRIDGING COMPONENTS
Divergent Technologies, Inc.	United States	15/687,409	08/25/2017	APPARATUS AND METHODS FOR CONNECTING NODES TO PANELS IN TRANSPORT STRUCTURES
Divergent Technologies, Inc.	United States	17/681,142	02/25/2022	APPARATUS AND METHODS FOR OPTIMIZATION OF POWDER REMOVAL FEATURES IN ADDITIVELY MANUFACTURED COMPONENTS

Name of Grantor	Jurisdiction	Serial No.	Filing Date	Title
Divergent Technologies, Inc.	United States	15/705,123	09/14/2017	APPARATUS AND METHODS FOR ADDITIVELY MANUFACTURING LATTICE STRUCTURES
Divergent Technologies, Inc.	United States	15/730,666	10/11/2017	SOLAR EXTENDED RANGE ELECTRIC VEHICLE
Divergent Technologies, Inc.	United States	15/829,838	12/01/2017	INTEGRATED WHEEL ASSEMBLIES USING MOTOR AND SPEED REDUCER
Divergent Technologies, Inc.	United States	17/992,653	11/22/2022	ASSEMBLING STRUCTURES COMPRISING 3D PRINTED COMPONENTS AND STANDARDIZED COMPONENTS UTILIZING ADHESIVE CIRCUITS
Divergent Technologies, Inc.	United States	17/547,064	12/09/2021	VARIABLE BEAM GEOMETRY LASER-BASED POWDER BED FUSION
Divergent Technologies, Inc.	United States	15/919,129	03/12/2018	APPARATUS AND METHODS FOR ADDITIVELY MANUFACTURING O-RING GROOVES
Divergent Technologies, Inc.	United States	17/536,722	11/29/2021	SYSTEMS AND METHODS FOR JOINING NODES AND OTHER STRUCTURES
Divergent Technologies, Inc.	United States	17/540,151	12/01/2021	SYSTEMS AND METHODS FOR JOINING NODES AND OTHER STRUCTURES
Divergent Technologies, Inc.	United States	15/967,533	04/30/2018	APPARATUS AND METHODS FOR SEALING POWDER HOLES IN ADDITIVELY MANUFACTURED PARTS
Divergent Technologies, Inc.	United States	15/980,247	05/15/2018	SELF-SUPPORTING LATTICE STRUCTURE
Divergent Technologies, Inc.	United States	18/102,043	01/26/2023	CUSTOM ADDITIVELY MANUFACTURED CORE STRUCTURES
Divergent Technologies, Inc.	United States	16/431,621	06/04/2019	ADDITIVELY MANUFACTURED STRUCTURES FOR VEHICLE DOORS
Divergent Technologies, Inc.	United States	62/681,582	06/06/2018	ADDITIVELY MANUFACTURED STRUCTURES FOR DOORS IN TRANSPORT STRUCTURES
Divergent Technologies, Inc.	United States	16/439,615	06/12/2019	ADDITIVE MANUFACTURING-ENABLED PLATFORM FOR MODULAR CONSTRUCTION OF VEHICLES USING DEFINITION NODES
Divergent Technologies, Inc.	United States	62/688,999	06/22/2018	ADDITIVE MANUFACTURING-ENABLED COMMON ARCHITECTURE PLATFORM FOR MODULAR CONSTRUCTION OF VEHICLES AND OTHER TRANSPORT STRUCTURES
Divergent Technologies, Inc.	United States	62/724,002	08/28/2018	BUFFER BLOCK APPARATUSES AND SUPPORTING APPARATUSES
Divergent Technologies, Inc.	United States	62/730,505	09/12/2018	SURROGATE SUPPORT STRUCTURES IN ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	17/374,702	07/13/2021	APPARATUS AND METHODS FOR ADDITIVELY MANUFACTURED STRUCTURES WITH AUGMENTED ENERGY ABSORPTION PROPERTIES
Divergent Technologies, Inc.	United States	17/583,109	01/24/2022	METHODS AND APPARATUS FOR MANUFACTURING OPTIMIZED PANELS AND OTHER COMPOSITE STRUCTURES
Divergent Technologies, Inc.	United States	18/830,311	09/10/2024	SYSTEMS AND METHODS FOR ADHESIVE-BASED PART RETENTION FEATURES IN ADDITIVELY MANUFACTURED STRUCTURES

Name of Grantor	Jurisdiction	Serial No.	Filing Date	Title
Divergent Technologies, Inc.	United States	62/760,305	11/13/2018	3-D PRINTER WITH MANIFOLDS FOR GAS EXCHANGE ENABLING LASER AVOIDANCE AND GRID-LIKE PLENUMS FOR GAS EXCHANGE OVER PRINT AREAS
Divergent Technologies, Inc.	United States	62/770,133	11/20/2018	SELECTIVE END EFFECTOR MODULAR ATTACHMENT DEVICE
Divergent Technologies, Inc.	United States	17/814,441	07/22/2022	SYSTEMS AND METHODS FOR HIGH ACCURACY FIXTURELESS ASSEMBLY
Divergent Technologies, Inc.	United States	62/784,282	12/21/2018	IN-SITU THERMAL TREATMENT FOR PBF SYSTEMS
Divergent Technologies, Inc.	United States	16/526,679	07/30/2019	ALUMINUM ALLOY COMPOSITIONS
Divergent Technologies, Inc.	United States	16/526,691	07/30/2019	ALUMINUM ALLOYS
Divergent Technologies, Inc.	United States	62/794,509	01/18/2019	HIGH-PERFORMANCE ALUMINUM ALLOY
Divergent Technologies, Inc.	United States	62/850,518	05/20/2019	SUPPORT STRUCTURE ARCHITECTURE IN ADDITIVE MANUFACTURING (AM) AND REMOVAL THEREOF USING THERMAL PULSE
Divergent Technologies, Inc.	United States	16/915,692	06/29/2020	INCORPORATING COMPLEX GEOMETRIC FEATURES IN ADDITIVELY MANUFACTURED PARTS
Divergent Technologies, Inc.	United States	16/918,955	07/01/2020	INCORPORATING COMPLEX GEOMETRIC FEATURES IN ADDITIVELY MANUFACTURED PARTS
Divergent Technologies, Inc.	United States	62/867,713	06/27/2019	INCORPORATING COMPLEX GEOMETRIC FEATURES IN ADDITIVELY MANUFACTURED PARTS
Divergent Technologies, Inc.	United States	16/950,802	11/17/2020	FIXTURELESS ROBOTIC ASSEMBLY
Divergent Technologies, Inc.	United States	62/938,921	11/21/2019	FIXTURELESS ROBOTIC ASSEMBLY
Divergent Technologies, Inc.	United States	16/692,918	11/22/2019	POWDER BED FUSION RE-COATERS WITH HEAT SOURCE FOR THERMAL MANAGEMENT
Divergent Technologies, Inc.	United States	62/955,778	12/31/2019	ADDITIVE MANUFACTURING WITH AN ELECTRON BEAM ARRAY
Divergent Technologies, Inc.	United States	16/752,378	01/24/2020	ULTRAVIOLET RADIATION SENSING AND BEAM CONTROL IN ELECTRON BEAM ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	16/774,982	01/28/2020	3-D PRINTER WITH GAS EXCHANGE MECHANISM FOR REMOVING CONTAMINANTS DURING RE-COATING
Divergent Technologies, Inc.	United States	62/978,232	02/18/2020	IMPACT ENERGY ABSORBER WITH INTEGRATED ENGINE EXHAUST NOISE MUFFLER
Divergent Technologies, Inc.	United States	62/981,329	02/25/2020	EXHAUST HEADERS WITH INTEGRATED HEAT SHIELDING AND THERMAL SYPHONING
Divergent Technologies, Inc.	United States	16/803,799	02/27/2020	ULTRASONIC DEHUMIDIFICATION IN POWDER BED FUSION ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	18/824,804	09/04/2024	ADAPTIVE PRODUCTION SYSTEM
Divergent Technologies, Inc.	United States	63/037,555	06/10/2020	ADAPTIVE PRODUCTION SYSTEM

Name of Grantor	Jurisdiction	Serial No.	Filing Date	Title
Divergent Technologies, Inc.	United States	63/047,815	07/02/2020	ADAPTIVE PRODUCTION SYSTEM
Divergent Technologies, Inc.	United States	16/926,584	07/10/2020	ROBOTIC ASSEMBLY CELL
Divergent Technologies, Inc.	United States	18/506,969	11/10/2023	RADIATION-ENABLED RETENTION FEATURES FOR FIXTURELESS ASSEMBLY OF NODE-BASED STRUCTURES
Divergent Technologies, Inc.	United States	17/467,945	09/07/2021	ASSEMBLY SEQUENCE GENERATION
Divergent Technologies, Inc.	United States	18/651,524	04/30/2024	ASSEMBLY SEQUENCE GENERATION
Divergent Technologies, Inc.	United States	63/075,738	09/08/2020	ASSEMBLY SEQUENCE GENERATION
Divergent Technologies, Inc.	United States	17/478,525	09/17/2021	IN SITU MULTI-PHASE SENSING FOR 3D PRINTING
Divergent Technologies, Inc.	United States	17/478,596	09/17/2021	REAL TIME QUALITY ASSURANCE FOR ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	63/080,621	09/18/2020	REALTIME QUALITY ASSURANCE SUITED FOR HIGH-THROUGHPUT ADDITIVE MANUFACTURING VIA RE-COATER MOUNTED SENSING SYSTEMS
Divergent Technologies, Inc.	United States	63/081,806	09/22/2020	METHODS AND APPARATUSES FOR BALL MILLING TO PRODUCE POWDER FOR ADDITIVE MANUFACTURING
Divergent Technologies, Inc.	United States	17/487,952	09/28/2021	MOBILE ASSEMBLY CELL LAYOUT
Divergent Technologies, Inc.	United States	63/085,986	09/30/2020	MOBILE ASSEMBLY CELL LAYOUT
Divergent Technologies, Inc.	United States	17/505,596	10/19/2021	3-D PRINTED METROLOGY FEATURE GEOMETRY AND DETECTION
Divergent Technologies, Inc.	United States	19/017,378	01/10/2025	3-D PRINTED METROLOGY FEATURE GEOMETRY AND DETECTION
Divergent Technologies, Inc.	United States	63/094,848	10/21/2020	3D PRINTED METROLOGY FEATURE GEOMETRY AND DETECTION
Divergent Technologies, Inc.	United States	17/527,101	11/15/2021	ISOCYANURATE RESIN COMPOSITIONS
Divergent Technologies, Inc.	United States	63/114,951	11/17/2020	RESIN COMPOSITION CURABLE BY ELECTROMAGNETIC RADIATION
Divergent Technologies, Inc.	United States	17/520,565	11/05/2021	ULTRASONIC ADDITIVE MANUFACTURING OF BOX-LIKE PARTS
Divergent Technologies, Inc.	United States	63/122,358	12/07/2020	ULTRASONIC ADDITIVE MANUFACTURING OF BOX-LIKE PARTS
Divergent Technologies, Inc.	United States	17/543,681	12/06/2021	INTEGRATED UPRIGHT AND DRIVE ELEMENTS
Divergent Technologies, Inc.	United States	63/122,345	12/07/2020	INTEGRATED UPRIGHT AND DRIVE ELEMENTS
Divergent Technologies, Inc.	United States	17/548,095	12/10/2021	HYBRID PROCESSING OF FREEFORM DEPOSITION MATERIAL BY PROGRESSIVE FORGING
Divergent Technologies, Inc.	United States	63/127,734	12/18/2020	HYBRID PROCESSING OF FREEFORM DEPOSITION MATERIAL FOR ENHANCED MECHANICAL PROPERTIES BY PROGRESSIVE FORGING

Name of Grantor	Jurisdiction	Serial No.	Filing Date	Title
Divergent Technologies, Inc.	United States	63/127,686	12/18/2020	VIRTUAL/PHYSICAL PART INSPECTION USING IN-PRINT DATA OR VISION
Divergent Technologies, Inc.	United States	17/548,180	12/10/2021	DIRECT INJECT JOINT ARCHITECTURE ENABLED BY QUICK CURE ADHESIVE
Divergent Technologies, Inc.	United States	63/127,721	12/18/2020	DIRECT INJECT JOINT ARCHITECTURE ENABLE BY QUICK CURE ADHESIVE
Divergent Technologies, Inc.	United States	17/553,453	12/16/2021	APPARATUSES AND METHODS OF ATTACHING AN ADDITIVELY MANUFACTURED STRUCTURE TO A PROFILE
Divergent Technologies, Inc.	United States	63/127,701	12/18/2020	ATTACHMENT METHOD OF AN ADDITIVE MANUFACTURED COMPONENT TO A HOLLOW PROFILE
Divergent Technologies, Inc.	United States	63/128,640	12/21/2020	ENCODING OF ADDITIVELY MANUFACTURED PARTS
Divergent Technologies, Inc.	United States	63/128,665	12/21/2020	THERMAL ELEMENTS FOR DISASSEMBLY OF NODE-BASED ADHESIVELY BONDED STRUCTURES
Divergent Technologies, Inc.	United States	63/128,654	12/21/2020	FORGING METHOD FOR DIE-LESS SHEET METAL PRODUCTION
Divergent Technologies, Inc.	United States	17/239,486	04/23/2021	3-D PRINTABLE ALLOYS
Divergent Technologies, Inc.	United States	63/128,674	12/21/2020	HIGH PERFORMANCE ALUMINUM ALLOYS
Divergent Technologies, Inc.	United States	17/556,961	12/20/2021	ALUMINUM ALLOYS AND STRUCTURES
Divergent Technologies, Inc.	United States	63/128,754	12/21/2020	ALUMINUM ALLOYS AND STRUCTURES
Divergent Technologies, Inc.	United States	17/556,973	12/20/2021	ALUMINUM ALLOYS AND STRUCTURES
Divergent Technologies, Inc.	United States	63/128,746	12/21/2020	ALUMINUM ALLOYS AND STRUCTURES
Divergent Technologies, Inc.	United States	17/520,582	11/05/2021	THREE DIMENSIONAL PRINTER WITH CONFIGURABLE BUILD PLATE FOR RAPID POWDER REMOVAL
Divergent Technologies, Inc.	United States	63/129,426	12/22/2020	THREE DIMENSIONAL PRINTER WITH CONFIGURABLE BUILD PLATE FOR RAPID POWDER REMOVAL
Divergent Technologies, Inc.	United States	63/130,487	12/24/2020	SYSTEMS AND METHODS FOR FLOATING PIN JOINT DESIGN
Divergent Technologies, Inc.	United States	17/561,472	12/23/2021	AUTONOMOUS ITEM DELIVERY
Divergent Technologies, Inc.	United States	63/13,0574	12/24/2020	AUTONOMOUS ITEM DELIVERY
Divergent Technologies, Inc.	United States	18/594,730	03/04/2024	MULTI-COMPONENT STRUCTURE OPTIMIZATION FOR COMBINING 3-D PRINTED AND COMMERCIALY AVAILABLE PARTS
Divergent Technologies, Inc.	United States	63/131,918	12/30/2020	MULTI-COMPONENT STRUCTURE OPTIMIZATION FOR COMBINING 3-D PRINTED AND COMMERCIALY AVAILABLE PARTS
Divergent Technologies, Inc.	United States	63/136,966	01/13/2021	VIRTUAL RAILROAD
Divergent Technologies, Inc.	United States	17/578,357	01/18/2022	BUS BARS FOR PRINTED STRUCTURAL ELECTRIC BATTERY MODULES

Name of Grantor	Jurisdiction	Serial No.	Filing Date	Title
Divergent Technologies, Inc.	United States	63/139,295	01/19/2021	BUS BARS FOR PRINTED STRUCTURAL CELLULAR ELECTRIC BATTERY MODULES
Divergent Technologies, Inc.	United States	17/578,367	01/18/2022	ENERGY UNIT CELLS FOR PRIMARY VEHICLE STRUCTURE
Divergent Technologies, Inc.	United States	63/139,293	01/19/2021	ENERGY UNIT CELLS FOR VEHICLE PRIMARY STRUCTURE
Divergent Technologies, Inc.	United States	17/665,980	02/07/2022	APPARATUS FOR MULTI-SCALE DIRECTED ENERGY DEPOSITION WITH INTEGRAL NON-ABRASIVE REDUCTION OF WAVINESS
Divergent Technologies, Inc.	United States	63/146,986	02/08/2021	MULTI-SCALE DIRECTED ENERGY DEPOSITION WITH REDUCTION OF WAVINESS
Divergent Technologies, Inc.	United States	17/690,901	03/09/2022	ROTATIONAL ADDITIVE MANUFACTURING SYSTEMS AND METHODS
Divergent Technologies, Inc.	United States	17/690,984	03/09/2022	ROTATIONAL ADDITIVE MANUFACTURING SYSTEMS AND METHODS
Divergent Technologies, Inc.	United States	63/158,765	03/09/2021	CONTINUOUS, ROTATIONAL AM SYSTEM ARCHITECTURE
Divergent Technologies, Inc.	United States	17/723,253	04/18/2022	STRUCTURE AS A SENSOR
Divergent Technologies, Inc.	United States	63/177,285	04/20/2021	STRUCTURE AS A SENSOR
Divergent Technologies, Inc.	United States	63/178,655	04/23/2021	ASSEMBLY ACCURACY PREDICTION
Divergent Technologies, Inc.	United States	17/728,288	04/25/2022	ROBOT CALIBRATION
Divergent Technologies, Inc.	United States	63/178,669	04/23/2021	ROBOT CALIBRATION
Divergent Technologies, Inc.	United States	63/179,116	04/23/2021	REMOVAL OF SUPPORTS, AND OTHER MATERIALS FROM SURFACE, AND WITHIN HOLLOW 3D PRINTED PARTS
Divergent Technologies, Inc.	United States	17/747,597	05/18/2022	MECHANISM FOR CURING ADHESIVE IN A ROBOTIC ASSEMBLY CELL
Divergent Technologies, Inc.	United States	63/190,120	05/18/2021	MECHANISM FOR CURING RETENTION ADHESIVE IN A ROBOTIC ASSEMBLY CELL
Divergent Technologies, Inc.	United States	17/664,346	05/20/2022	ROBOTIC GRIPPER APPARATUS
Divergent Technologies, Inc.	United States	63/192,209	05/24/2021	ROBOTIC GRIPPER SYSTEM
Divergent Technologies, Inc.	United States	17/697,829	03/17/2022	VARIABLE BEAM GEOMETRY ENERGY BEAM-BASED POWDER BED FUSION
Divergent Technologies, Inc.	United States	63/162,919	03/18/2021	VARIABLE BEAM GEOMETRY ENERGY BEAM-BASED POWER BED FUSION
Divergent Technologies, Inc.	United States	63/182,672	04/30/2021	MOBILE PARTS TABLE
Divergent Technologies, Inc.	United States	17/856,406	07/01/2022	AL-MG-SI BASED NEAR-EUTECTIC ALLOY COMPOSITION FOR HIGH STRENGTH AND STIFFNESS APPLICATIONS
Divergent Technologies, Inc.	United States	63/217,749	07/01/2021	AL-MG-SI BASED NEAR-EUTECTIC ALLOY COMPOSITION FOR HIGH STRENGTH AND STIFFNESS APPLICATIONS

Name of Grantor	Jurisdiction	Serial No.	Filing Date	Title
Divergent Technologies, Inc.	United States	17/858,933	07/06/2022	ASSEMBLY ERROR CORRECTION
Divergent Technologies, Inc.	United States	63/218,840	07/06/2021	IN-PROCESS ASSEMBLY ERROR CORRECTION
Divergent Technologies, Inc.	United States	63/219,323	07/07/2021	IN-PROCESS ASSEMBLY ERROR CORRECTION
Divergent Technologies, Inc.	United States	63/222,866	07/16/2021	IN-PROCESS ASSEMBLY ERROR CORRECTION
Divergent Technologies, Inc.	United States	17/857,716	07/05/2022	EXCHANGEABLE BEAM ENTRY WINDOW FOR AM SYSTEM
Divergent Technologies, Inc.	United States	63/218,846	07/06/2021	EXCHANGEABLE BEAM ENTRY WINDOW FOR AM SYSTEM
Divergent Technologies, Inc.	United States	17/860,394	07/08/2022	REPURPOSING WASTE ALUMINUM POWDER BY NET SHAPE SINTERING
Divergent Technologies, Inc.	United States	63/221,885	07/14/2021	REPURPOSING WASTE ALUMINUM POWDER BY NET SHAPE SINTERING
Divergent Technologies, Inc.	United States	17/975,381	10/27/2022	MOTOR NODES
Divergent Technologies, Inc.	United States	63/274,809	11/02/2021	MOTOR NODES
Divergent Technologies, Inc.	United States	18/159,646	01/25/2023	PRESSURIZED FLEXIBLE HOSE FOR DEMOLITION OF OBJECTS
Divergent Technologies, Inc.	United States	63/305,461	02/01/2022	PRESSURIZED FLEXIBLE HOSE FOR DEMOLITION OF OBJECTS
Divergent Technologies, Inc.	United States	18/158,948	01/24/2023	ELECTROCOATING (E-COATING) ON A PART BY PART BASIS
Divergent Technologies, Inc.	United States	63/303,909	01/27/2022	PROCESS FOR ELECTROCOATING (E-COATING) ON A SMALLER PART BY PART BASIS WITH THE GOAL OF CORROSION PROTECTION FOR DAPS NODE ASSEMBLIES
Divergent Technologies, Inc.	United States	18/159,583	01/25/2023	ASSEMBLY HAVING DISCRETIZED AND SEGMENTED JOINT ARCHITECTURE
Divergent Technologies, Inc.	United States	63/302,985	01/25/2022	DISCRETIZED AND SEGMENTED JOINT ARCHITECTURE
Divergent Technologies, Inc.	United States	63/302,993	01/25/2022	ADHESIVE AND MECHANICALLY BONDED ADAPTER
Divergent Technologies, Inc.	United States	17/584,221	01/25/2022	HIGH MODULUS LIGHT ALLOY
Divergent Technologies, Inc.	United States	63/302,944	01/25/2022	ADHESIVE CONTAINMENT DAMS MADE BY CURE OF ADHESIVE IN ADDITIVELY MANUFACTURED STRUCTURES
Divergent Technologies, Inc.	United States	63/635,560	04/17/2024	ADHESIVE CONTAINMENT DAMS MADE BY CURE OF ADHESIVE IN ADDITIVELY MANUFACTURED STRUCTURES
Divergent Technologies, Inc.	United States	17/855,396	06/30/2022	STRUCTURALLY INTEGRATED HEAT-EXCHANGERS
Divergent Technologies, Inc.	United States	63/302,951	01/25/2022	STRUCTURALLY INTEGRATED HEAT-EXCHANGERS
Divergent Technologies, Inc.	United States	18/159,470	01/25/2023	MEASUREMENT-BASED CORRECTIONS FOR STRUCTURE ASSEMBLY
Divergent Technologies, Inc.	United States	63/302,979	01/25/2022	MEASUREMENT-BASED CORRECTIONS FOR ADDITIVELY MANUFACTURED STRUCTURE ASSEMBLY

Name of Grantor	Jurisdiction	Serial No.	Filing Date	Title
Divergent Technologies, Inc.	United States	18/101,087	01/24/2023	LOW DEFLECTION TOOLING APPARATUS
Divergent Technologies, Inc.	United States	63/303,007	01/25/2022	LOW DEFLECTION TOOLING APPARATUS
Divergent Technologies, Inc.	United States	17/402,212	08/13/2021	INTEGRATING ADDITIVELY-MANUFACTURED COMPONENTS
Divergent Technologies, Inc.	United States	63/388,212	07/11/2022	SELF-ACTUATING RECOATER CAVITY SLIDING PANEL FOR IMPROVED LPBF PRINTER CHAMBER GAS FLOW
Divergent Technologies, Inc.	United States	18/360,716	07/27/2023	BRAKE NODES
Divergent Technologies, Inc.	United States	63/392,823	07/27/2022	BRAKE NODES
Divergent Technologies, Inc.	United States	18/483,408	10/09/2023	CRASH RAIL WITH INTEGRATED HEAT EXCHANGING CORE
Divergent Technologies, Inc.	United States	63/414,851	10/10/2022	CRASH RAIL WITH INTEGRATED HEAT EXCHANGING CORE
Divergent Technologies, Inc.	United States	63/414,857	10/10/2022	METAL 'FOAM' OR HOLLOW BODIES IN HOLLOW OBJECTS
Divergent Technologies, Inc.	United States	63/414,855	10/10/2022	NON-CONTACT ACOUSTICAL POWDER COMPACTING AND LEVELING RECOATER APPARATUS
Divergent Technologies, Inc.	United States	18/484,319	10/10/2023	TUNED SUPPORT GEOMETRIES FOR ADDITIVE MANUFACTURING SUPPORT REMOVAL AND METHODS OF USE THEREOF
Divergent Technologies, Inc.	United States	63/414,854	10/10/2022	DYNAMICALLY TUNED LOCAL SUPPORT GEOMETRIES FOR COMBINED POWDER AND SUPPORT REMOVAL
Divergent Technologies, Inc.	United States	63/448,641	02/27/2023	IN-SITU MELT POOL BROAD SPECTRUM RADIATION PROCESS CHARACTERIZATION AND MONITORING FOR TRANSIENT ELEMENTAL STATE AND COMPOSITION CHANGES
Divergent Technologies, Inc.	United States	18/487,020	10/13/2023	IN-SITU WELD POOL SPECTRUM RADIATION PROCESS CHARACTERIZATION
Divergent Technologies, Inc.	United States	63/379,554	10/14/2022	IN-SITU MELT POOL BROAD SPECTRUM RADIATION PROCESS CHARACTERIZATION AND MONITORING FOR TRANSIENT ELEMENTAL STATE AND COMPOSITION CHANGES
Divergent Technologies, Inc.	United States	18/488,780	10/17/2023	CRASHWORTHY ALLOY
Divergent Technologies, Inc.	United States	63/417,938	10/20/2022	CRASHWORTHY ALLOY
Divergent Technologies, Inc.	United States	63/425,550	11/15/2022	CRASHWORTHY ALLOY
Divergent Technologies, Inc.	United States	63/417,980	10/20/2022	SHEAR THICKENING FLUID ENABLED AND DIRECT IMMERSION COOLED INTEGRATED BEV ARCHITECTURE
Divergent Technologies, Inc.	United States	18/490,533	10/19/2023	TILE-BASED PRINTING WITH DYNAMIC BEAM SHAPING
Divergent Technologies, Inc.	United States	63/417,983	10/20/2022	TILE-BASED PRINTING WITH DYNAMIC BEAM SHAPING

Name of Grantor	Jurisdiction	Serial No.	Filing Date	Title
Divergent Technologies, Inc.	United States	18/490,550	10/19/2023	COMBINATION ADDITIVE MANUFACTURED STRUCTURES AND METHODS
Divergent Technologies, Inc.	United States	63/417,908	10/20/2022	SCAFFOLDING BASED STRUCTURE
Divergent Technologies, Inc.	United States	18/488,883	10/17/2023	PRODUCING METAL MATRIX COMPOSITE FEEDSTOCK FOR THREE-DIMENSIONAL PRINTING
Divergent Technologies, Inc.	United States	63/417,912	10/20/2022	PRODUCING AI-MMC FEEDSTOCK FOR 3D PRINTING
Divergent Technologies, Inc.	United States	18/491,628	10/20/2023	ALLOYING VIA ULTRASONIC ATOMIZATION
Divergent Technologies, Inc.	United States	63/417,929	10/20/2022	IN-SITU ALLOYING VIA SONOTRODE ATOMIZATION
Divergent Technologies, Inc.	United States	18/597,693	03/06/2024	MODULAR PRINTER
Divergent Technologies, Inc.	United States	63/450,348	03/06/2023	MODULAR PRINTER
Divergent Technologies, Inc.	United States	18/499,072	10/31/2023	DEPOWDERING OF 3D-PRINTED STRUCTURES
Divergent Technologies, Inc.	United States	63/421,454	11/01/2022	DEPOWDERING OF 3D PRINTED STRUCTURES
Divergent Technologies, Inc.	United States	63/430,512	12/06/2022	INTEGRATED ANNULAR FUEL TANK
Divergent Technologies, Inc.	United States	18/597,782	03/06/2024	AM SYSTEM INCORPORATING SOLID-STATE SCANNING COMBINED WITH MOVABLE-OPTIC SCANNING
Divergent Technologies, Inc.	United States	63/450,327	03/06/2023	AM SYSTEM INCORPORATING ULTRA-FAST SCANNING SUPERIMPOSED WITH TRADITIONAL GALVANOMETER TOOLPATHING
Divergent Technologies, Inc.	United States	18/597,267	03/06/2024	RECOATER FORCE SENSOR ARRAY FOR SPATIAL AND TEMPORAL IN-SITU POWDER SPREADING QUALITY AND SURFACE DEFECT MONITORING
Divergent Technologies, Inc.	United States	63/450,352	03/06/2023	RECOATER FORCE SENSOR ARRAY FOR SPATIAL AND TEMPORAL IN-SITU POWDER SPREADING QUALITY AND SURFACE DEFECT MONITORING
Divergent Technologies, Inc.	United States	18/601,748	03/11/2024	DIRECTED ACOUSTIC ENERGY FOR MELT POOL EXCITATION DURING 3D PRINTING
Divergent Technologies, Inc.	United States	63/451,189	03/09/2023	DIRECTED ACOUSTIC ENERGY FOR MELT POOL EXCITATION DURING 3D PRINTING
Divergent Technologies, Inc.	United States	18/603,387	03/13/2024	FOAM-FILLED NODES
Divergent Technologies, Inc.	United States	63/452,087	03/14/2023	FOAM-FILLED NODES
Divergent Technologies, Inc.	United States	18/601,856	03/11/2024	PISTON FOR A BRAKE CALIPER
Divergent Technologies, Inc.	United States	63/451,516	03/10/2023	PISTON FOR A BRAKE CALIPER
Divergent Technologies, Inc.	United States	18/602,844	03/12/2024	JOINT DESIGN FOR DAPS ADHESIVE FIXTURING
Divergent Technologies, Inc.	United States	63/452,126	03/14/2023	JOINT DESIGN FOR DAPS ADHESIVE FIXTURING
Divergent Technologies, Inc.	United States	18/601,649	03/11/2024	BONDED PRECISION INSERTS AND METHODS OF USE THEREOF

Name of Grantor	Jurisdiction	Serial No.	Filing Date	Title
Divergent Technologies, Inc.	United States	63/451,519	03/10/2023	BONDED PRECISION INSERTS
Divergent Technologies, Inc.	United States	18/612,991	03/21/2024	TANGENTIAL FORCE SENSOR FOR A BRAKE CALIPER
Divergent Technologies, Inc.	United States	63/453,681	03/21/2023	TANGENTIAL FORCE SENSOR FOR A BRAKE CALIPER
Divergent Technologies, Inc.	United States	18/626,255	04/03/2024	MULTI-MATERIAL RECOATER FOR SUPPORT REMOVAL
Divergent Technologies, Inc.	United States	63/493,947	04/03/2023	MULTI-MATERIAL RECOATER FOR SUPPORT REMOVAL
Divergent Technologies, Inc.	United States	63/498,216	04/25/2023	ADHESIVE JOINT STRUCTURES AND METHODS
Divergent Technologies, Inc.	United States	18/668,039	05/17/2024	ELECTROSTATIC SOOT CAPTURING PLATE ASSOCIATED WITH A BUILD CHAMBER OF A THREE-DIMENSIONAL (3-D) PRINTER
Divergent Technologies, Inc.	United States	63/503,443	05/19/2023	ELECTROSTATIC SOOT CAPTURING PLATE IN 3D PRINTER
Divergent Technologies, Inc.	United States	18/669,455	05/20/2024	MULTIMODULAR RING MODE FIBER OPTIC CONFIGURATION, FINE PROCESS CONTROL STRATEGY FOR PRINTER OPTICS, AND LASER POWDER BED FUSION POWER CONSUMPTION OPTIMIZATION BY FEEDSTOCK MANIPULATION
Divergent Technologies, Inc.	United States	63/503,435	05/19/2023	MULTIMODULAR RING MODE FIBER OPTIC CONFIGURATION
Divergent Technologies, Inc.	United States	63/509,502	06/21/2023	FINE PROCESS CONTROL STRATEGY FOR PRINTER OPTICS
Divergent Technologies, Inc.	United States	18/751,093	06/21/2024	UV CURING APPARATUS WITH LIGHT GUIDE AND IN-PROCESS RADIOMETRY
Divergent Technologies, Inc.	United States	63/510,082	06/23/2023	UV CURING APPARATUS WITH LIGHT GUIDE AND IN-PROCESS RADIOMETRY
Divergent Technologies, Inc.	United States	63/510,077	06/23/2023	LASER POWDER BED FUSION POWER CONSUMPTION OPTIMIZATION BY FEEDSTOCK MANIPULATION
Divergent Technologies, Inc.	United States	18/814,143	08/23/2024	HIGH TEMPERATURE ALUMINUM ALLOYS FOR LASER POWDER BED FUSION
Divergent Technologies, Inc.	United States	63/578,639	08/24/2023	HIGH TEMPERATURE ALUMINUM ALLOYS FOR LASER POWDER BED FUSION
Divergent Technologies, Inc.	United States	63/584,282	09/21/2023	HIGH TEMPERATURE ALUMINUM ALLOYS FOR LASER POWDER BED FUSION
Divergent Technologies, Inc.	United States	63/657,757	06/07/2024	HIGH TEMPERATURE ALUMINUM ALLOYS FOR LASER POWDER BED FUSION
Divergent Technologies, Inc.	United States	18/815,568	08/26/2024	MONOLITHIC MULTI-OPTICS SCANNER HEAD
Divergent Technologies, Inc.	United States	63/578,963	08/25/2023	MONOLITHIC MULTI-OPTICS SCANNER HEAD
Divergent Technologies, Inc.	United States	18/818,228	08/28/2024	SENSOR FUSION WITH EDDY CURRENT SENSING
Divergent Technologies, Inc.	United States	63/579,260	08/28/2023	SENSOR FUSION WITH EDDY CURRENT FOR IN-SITU MONITORING

Name of Grantor	Jurisdiction	Serial No.	Filing Date	Title
Divergent Technologies, Inc.	United States	63/601,668	11/21/2023	SENSOR FUSION WITH EDDY CURRENT, ON-AXIS PHOTODIODE AND IR CAMERA
Divergent Technologies, Inc.	United States	63/600,303	11/17/2023	REMOVAL OF ADDITIVELY MANUFACTURED SUPPORT STRUCTURES VIA LASER ABLATION
Divergent Technologies, Inc.	United States	18/948,335	11/14/2024	ELECTROPOLISHING PROCESS FOR COMPLEX AM OBJECTS
Divergent Technologies, Inc.	United States	63/601,658	11/21/2023	ELECTROPOLISHING PROCESS FOR COMPLEX AM OBJECTS
Divergent Technologies, Inc.	United States	18/955,672	11/21/2024	REDUCED THERMAL HEAT LOAD AND DISTORTION OF AUTOMATED WELD ASSEMBLIES FOR THERMALLY AND STRUCTURALLY OPTIMIZED ADDITIVE MANUFACTURED COMPONENTS
Divergent Technologies, Inc.	United States	63/601,637	11/21/2023	REDUCED THERMAL HEAT LOAD AND DISTORTION OF AUTOMATED WELD ASSEMBLIES FOR THERMALLY AND STRUCTURALLY OPTIMIZED METAL ADDITIVE STRUCTURAL COMPONENTS
Divergent Technologies, Inc.	United States	18/957,226	11/22/2024	WASTE METAL POWDER PASSIVATION
Divergent Technologies, Inc.	United States	63/601,992	11/22/2023	WASTE METAL POWDER PASSIVATION
Divergent Technologies, Inc.	United States	63/662,373	06/20/2024	AUTOMATED ATTACHMENT OF SKIN SEGMENTS TO FRAMES
Divergent Technologies, Inc.	United States	63/662,379	06/20/2024	VEHICLE A-SURFACE REALIZATION VIA 3D PRINTED PRIMARY SUB-STRUCTURE, SECONDARY EXPANDED FOAM LAYER WITH TERTIARY MACHINING AND CORRESPONDING COATING
Divergent Technologies, Inc.	United States	63/662,382	06/20/2024	PERMANENT JOINING OF THIN WALLED STRUCTURES VIA SELECTIVE COLD SPRAY DEPOSITION
Divergent Technologies, Inc.	United States	63/663,658	06/24/2024	GAS FLOW SYSTEM FOR L-PBF
Divergent Technologies, Inc.	United States	63/693,597	09/11/2024	ELECTROMECHANICAL PARKING BRAKE
Divergent Technologies, Inc.	United States	63/706,350	10/11/2024	3D PRINTED IMPACT STRUCTURE
Divergent Technologies, Inc.	United States	63/706,312	10/11/2024	ELECTRICAL CONNECTION FOR ASSEMBLIES
Divergent Technologies, Inc.	United States	63/706,431	10/11/2024	METHOD OF IN-SITU CALIBRATION OF SINGLE/MULTIHEAD GALVO SCANNING SYSTEM AIDING LASER PATH TRAJECTORIES
Divergent Technologies, Inc.	United States	18/112,146	02/21/2023	DEFECT DETECTION FOR ADDITIVE MANUFACTURING SYSTEMS
Divergent Technologies, Inc.	United States	17/895,904	08/25/2022	METHODS AND SYSTEMS FOR QUALITY INFERENCE AND CONTROL FOR ADDITIVE MANUFACTURING PROCESSES
Divergent Technologies, Inc.	United States	17/847,038	06/22/2022	SYSTEMS AND METHODS FOR MEASURING RADIATED THERMAL ENERGY DURING AN ADDITIVE MANUFACTURING OPERATION

Name of Grantor	Jurisdiction	Serial No.	Filing Date	Title
Divergent Technologies, Inc.	United States	17/839,853	06/14/2022	SYSTEMS AND METHODS FOR MEASURING RADIATED THERMAL ENERGY DURING AN ADDITIVE MANUFACTURING OPERATION
Divergent Technologies, Inc.	United States	17/828,258	05/31/2022	POWDER BED DEFECT DETECTION AND MACHINE LEARNING
Divergent Technologies, Inc.	United States	17/719,729	04/13/2022	APPARATUS AND METHODS FOR CALIBRATING ON-AXIS TEMPERATURE SENSORS FOR ADDITIVE MANUFACTURING SYSTEMS
Divergent Technologies, Inc.	United States	17/555,065	12/17/2021	SENSOR DECONFLICTION IN MULTILASER ADDITIVE MANUFACTURING SYSTEMS
Divergent Technologies, Inc.	United States	17/375,983	07/14/2021	LAYER-BASED DEFECT DETECTION USING NORMALIZED SENSOR DATA
Divergent Technologies, Inc.	United States	17/349,747	06/16/2021	DETERMINATION AND CONTROL OF COOLING RATE IN AN ADDITIVE MANUFACTURING SYSTEM
Divergent Technologies, Inc.	United States	17/091,644	11/06/2020	OPTICAL FILTER HAVING DUAL POLARIZATION
Divergent Technologies, Inc.	United States	16/831,232	03/26/2020	SYSTEMS AND METHODS FOR MEASURING RADIATED THERMAL ENERGY DURING AN ADDITIVE MANUFACTURING OPERATION
Divergent Technologies, Inc.	United States	18/501,838	11/03/2023	DRIVER AIRBAG COVER