

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7772311

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	SECURITY INTEREST	
CONVEYING PARTY DATA		
Name		Execution Date
DIVEPLANE CORPORATION		01/31/2023
RECEIVING PARTY DATA		
Name:	WESTERN ALLIANCE BANK	
Street Address:	55 ALMADEN BLVD.	
Internal Address:	SUITE 100	
City:	SAN JOSE	
State/Country:	CALIFORNIA	
Postal Code:	95113	
PROPERTY NUMBERS Total: 43		
Property Type	Number	
Patent Number:	9922286	
Patent Number:	11037063	
Application Number:	17346583	
Patent Number:	11010672	
Application Number:	17318213	
Application Number:	16380750	
Application Number:	15724637	
Application Number:	16358217	
Patent Number:	11205126	
Application Number:	17536981	
Patent Number:	11092962	
Application Number:	17347051	
Patent Number:	11454939	
Application Number:	16000043	
Application Number:	16220986	
Application Number:	16376509	
Patent Number:	11262742	
Patent Number:	10816981	
Patent Number:	11385633	

Property Type	Number
Application Number:	17676629
Patent Number:	10546240
Patent Number:	10845769
Patent Number:	11068790
Application Number:	17369187
Application Number:	17967484
Patent Number:	10528877
Application Number:	16205394
Application Number:	16205413
Patent Number:	11494669
Application Number:	17962820
Patent Number:	11176465
Application Number:	17524161
Application Number:	16713714
Application Number:	17006144
Application Number:	17972164
Application Number:	17038955
Application Number:	17333671
Application Number:	17346901
Application Number:	17900502
Application Number:	16796258
Application Number:	17859719
Application Number:	63357875
Application Number:	17895762

CORRESPONDENCE DATA

Fax Number:

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.

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Email: corina.rachina@us.dlapiper.com

Correspondent Name: CORINA RACHINA

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Address Line 2: SUITE 2400

Address Line 4: LOS ANGELES, CALIFORNIA 90071

ATTORNEY DOCKET NUMBER:	355157-000378
NAME OF SUBMITTER:	MATT SCHWARTZ
SIGNATURE:	/s/ Matt Schwartz
DATE SIGNED:	01/31/2023

Total Attachments: 11

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT (this "Agreement") dated as of January 31, 2023, by and between WESTERN ALLIANCE BANK, an Arizona corporation ("Lender"), and DIVEPLANE CORPORATION, a Delaware corporation ("Grantor"), is made with reference to that certain Loan and Security Agreement by and between Lender and Grantor, dated as of the same date hereof (as amended from time to time, the "Loan Agreement"). Terms defined in the Loan Agreement have the same meaning when used in this Agreement.

For good and valuable consideration, receipt of which is hereby acknowledged, Grantor hereby covenants and agrees as follows:

To secure the Obligations under the Loan Agreement, Grantor grants to Lender a security interest in all right, title, and interest of Grantor in any of the following, whether now existing or hereafter acquired or created in any and all of the following property (collectively, the "Intellectual Property Collateral"):

(a) copyright rights, copyright applications, copyright registrations and like protections in each work or authorship and derivative work thereof, whether published or unpublished and whether or not the same also constitutes a trade secret, now or hereafter existing, created, acquired or held (collectively, the "Copyrights"), including the Copyrights described in Exhibit A;

(b) trademark and servicemark rights, whether registered or not, applications to register and registrations of the same and like protections, and the entire goodwill of the business of Borrower connected with and symbolized by such trademarks (collectively, the "Trademarks"), including the Trademarks described in Exhibit B;

(c) patents, patent applications and like protections including without limitation improvements, divisions, continuations, renewals, reissues, extensions and continuations-in-part of the same (collectively, the "Patents"), including the Patents described in Exhibit C;

(d) mask work or similar rights available for the protection of semiconductor chips or other products (collectively, the "Mask Works");

(e) trade secrets, and any and all intellectual property rights in computer software and computer software products;

(f) design rights;

(g) claims for damages by way of past, present and future infringement of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(h) licenses or other rights to use any of the Copyrights, Patents, Trademarks, or Mask Works, and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(i) amendments, renewals and extensions of any of the Copyrights, Trademarks, Patents, or Mask Works; and

(j) proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

The rights and remedies of Lender with respect to the security interests granted hereunder are in addition to those set forth in the Loan Agreement, and those which are now or hereafter available to Lender as a matter of law or equity. Each right, power and remedy of Lender provided for herein or in the Loan Agreement, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right,

power or remedy provided for herein, and the exercise by Lender of any one (1) or more of such rights, powers or remedies does not preclude the simultaneous or later exercise by Lender of any other rights, powers or remedies.

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IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first written above.

GRANTOR:

DIVEPLANE COPORATION,
a Delaware corporation

By: DocuSigned by:
Michael Capps
5AD687BF283343B...

Name: Michael Capps

Title: Chief Executive Officer

Address for Notices:

DIVEPLANE CORPORATION
3110 Edwards Mill Road, Suite 300
Raleigh, NC 27612
Attn: Contract Notice
Email: notice@diveplane.com

LENDER:

WESTERN ALLIANCE BANK,
an Arizona corporation

By: DocuSigned by:
Bill Fields
1D720ABAB29A426...

Name: Bill Fields

Title: Vice President

Address for Notices:

WESTERN ALLIANCE BANK
8350 Broad Street, Suite 1825
Tysons, VA 22102
Attn: Bill Fields
Email: Bill.Fields@bridgebank.com

EXHIBIT A

COPYRIGHTS

Please Check if No Copyrights Exist ☒

<u>Type of Work:</u>	<u>Title:</u>	<u>International Standard Serial Number (ISSN):</u>	<u>Registration Number:</u>	<u>Filing Date:</u>	<u>Pre - registered?</u>

EXHIBIT B

TRADEMARKS

Please Check if No Trademarks Exist ☐


<u>Mark / Title:</u>	<u>Serial Number:</u>	<u>Registration Number:</u>	<u>Filing Date:</u>
GEMINAI (word mark)	97644951	-	October 24, 2022
DIVEPLANE REACTOR (word mark)	97526015	-	July 29, 2022
REACTOR (word mark)	97526026	-	July 29, 2022
DIVEPLANE GEMINAI (word mark)	90565714	6621715	March 8, 2021
	88124211	6555554	September 19, 2018
UNDERSTANDABLE AI (word mark)	88018134	6356385	June 27, 2018
DIVEPLANE (word mark)	87919917	6356350	May 14, 2018

EXHIBIT C

PATENTS

Please Check if No Patents Exist ☐

Title	First Filing Date	Application Number	Application Date	Publication Date	Patent Number	Grant Date
Detecting and Correcting Anomalies in Computer-Based Reasoning Systems	08/18/2017	15/681219	08/18/2017	--	9922286	03/20/2018
Detecting and Correcting Anomalies in Computer-Based Reasoning Systems	08/18/2017	15/900398	02/20/2018	04/23/2020	11037063	06/15/2021
Detecting and Correcting Anomalies in Computer-Based Reasoning Systems	08/18/2017	17/346583	06/14/2021	09/30/2021	--	--
Haploid - Diploid Evolutionary Techniques for Computer Intelligence Systems	09/01/2017	15/694586	09/01/2017	N/A	11010672	05/18/2021
Haploid - Diploid Evolutionary Techniques for Computer Intelligence Systems	09/01/2017	17/318213	05/12/2021	--	--	--
Evolved Computer-Based Reasoning Systems Usable for Physical System Control	09/13/2017	16/380750	04/10/2019	--	--	--
Evolutionary Programming Techniques Utilizing Context Indications	10/04/2017	15/724637	10/04/2017	--	10296310	05/21/2019
Evolutionary Programming Techniques Utilizing Context Indications	10/04/2017	16/358217	03/19/2019	--	10713570	07/14/2020

Evolutionary Programming Techniques Utilizing Context Indications	03/19/2019	16/903901	06/17/2020	N/A	11205126	12/21/2021
Evolutionary Programming Techniques Utilizing Context Indications	03/19/2019	17/536981	11/29/2021	--	--	--
Computer-Based Reasoning System for Operational Situation Vehicle Control	11/20/2017	15/817,627	11/20/2017	NA	11092962	08/17/2021
Computer-Based Reasoning System for Operational Situation Vehicle Control	11/20/2017	17/347051	06/14/2021	09/30/2021	--	--
Entropy-Based Techniques for Creation of Well-Balanced Computer Based Reasoning Systems	04/09/2018	15/948801	04/09/2018	10/10/2019	11454939	09/27/2022
Entropy-Based Techniques for Creation of Well-Balanced Computer Based Reasoning Systems	08/25/2022	17895762	08/25/2022	12/29/2022	--	--
Entropy-Based Techniques for Improved Automated Selection in Computer Based Reasoning Systems	06/05/2018	16/000043	06/05/2018	10/10/2019	--	--
Computer Based Reasoning and Artificial Intelligence Systems	04/09/2018	16/220986	12/14/2018	10/10/2019	10816980	10/27/2020
Improvements to Computer Based Reasoning and Artificial Intelligence Systems	04/09/2018	16/376509	04/05/2019	10/10/2019	10817750	10/27/2020

Anomalous Data Detection in Computer Based Reasoning and Artificial Intelligence Systems	04/09/2018	16/992842	08/13/2020	11/26/2020	11262742	03/01/2022
Computer Based Reasoning and Artificial Intelligence Systems	04/09/2018	16/221054	12/14/2018	10/10/2019	10816981	10/27/2020
Model Reduction and Training Efficiency in Computer-Based Reasoning and Artificial Intelligence Systems	04/09/2018	16/992876	08/13/2020	--	11385633	07/12/2022
Model Reduction and Training Efficiency in Computer-Based Reasoning and Artificial Intelligence Systems	04/09/2018	17/676629	02/21/2022	--	--	--
Feature and Case Importance for Imputation in Computer-based Reasoning Systems	09/13/2018	16/130866	09/13/2018	--	10546240	01/28/2020
Feature and Case Importance for Imputation in Computer-based Reasoning Systems	09/13/2018	16/662746	10/24/2019	03/19/2020	10845769	11/24/2020
Feature and Case Importance for Imputation in Computer-based Reasoning Systems	09/13/2018	16/773510	01/27/2020	07/23/2020	11068790	07/20/2021
Feature and Case Importance for Imputation in Computer-based Reasoning Systems	09/13/2018	17/369187	07/07/2021	12/30/2021	--	--

Feature and Case Importance for Imputation in Computer-based Reasoning Systems	09/13/2018	17/967,484	10/17/2022	--	--	--
Explainable and Automated Decisions in Computer-Based Reasoning Systems	11/13/2018	16/205373	11/30/2018	N/A	10528877	01/07/2020
Explainable and Automated Decisions in Computer-Based Reasoning Systems	11/13/2018	16/205394	11/30/2018	05/14/2020	--	--
Explainable and Automated Decisions in Computer-Based Reasoning Systems	11/13/2018	16/205413	11/30/2018	05/14/2020	--	--
Clustering, Explainability, and Automated Decisions in Computer-Based Reasoning Systems	11/13/2018	16/660352	10/22/2019	04/30/2020	11494669	11/08/2022
Clustering, Explainability, and Automated Decisions in Computer-Based Reasoning Systems	11/13/2018	17/962,820	10/10/2022	--	--	--
Explainable and Automated Decisions in Computer-Based Reasoning Systems	11/13/2018	16/205431	11/30/2018	05/14/2020	11176465	11/16/2021
Explainable and Automated Decisions in Computer-Based Reasoning Systems	11/13/2018	17/524161	11/11/2021	--	--	--
Synthetic Data Generation in Computer-Based Reasoning Systems	12/13/2018	16/713714	12/13/2019	06/18/2020	--	--

Conditioned Synthetic Data Generation in Computer-Based Reasoning Systems	12/13/2018	17/006144	08/28/2020	12/17/2020	--	--
Conditioned Synthetic Data Generation in Computer-Based Reasoning Systems	12/13/2018	17/972164	10/24/2022	--	--	--
Synthetic Data Generation Using Anonymity Preservation in Computer-Based Reasoning Systems	12/13/2018	17/038955	09/30/2020	01/14/2021	--	--
Dataset Quality for Synthetic Data Generation in Computer-Based Reasoning Systems	12/13/2018	17/333671	05/28/2021	10/21/2021	--	--
Identifier Contribution Allocation in Synthetic Data Generation in Computer-Based Reasoning Systems	12/13/2018	17/346901	06/14/2021	10/07/2021	--	--
Synthetic Data Generation in Computer-Based Reasoning Systems	12/13/2018	17/900,502	08/31/2022	--	--	--
Improved Search and Query in Computer-Based Reasoning Systems	05/16/2019	16/796258	02/20/2020	--	--	--
Regional Model Residuals in Synthetic Data Generation in Computer-Based Reasoning Systems	07/09/2021	17/859,719	07/07/2022	--	--	--

Case-Specific Scores, Explainability, and Automated Decisions in Computer-Based Reasoning Systems	07/01/2022	63/357,875	07/01/2022	--	--	--
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