

DISCLAIMER IN A PATENT UNDER 37 CFR 1.321(a)	
Name of Patentee DeepSig Inc.	Docket Number (optional) DEEP-0003
Patent Number 11,777,540	Date Patent Issued Oct. 3, 2023
Title of Invention MACHINE LEARNING-BASED NONLINEAR PRE-DISTORTION SYSTEM	
Patentee hereby disclaims: ☒ the following complete claim(s) in the above-identified patent: <u>1, 2, 3, 7, 8, 9, 10, 11</u>. ☐ the terminal part of the term of the above-identified patent beginning on the date: _____. ☐ the entire term of the above-identified patent. The disclaimer is binding on the patentee and its successors or assigns. The extent of patentee's ownership interest in the above-identified patent is: <u>100%</u>. The fee for this disclaimer is set forth in 37 CFR 1.20(d) and is being paid in the following manner: ☒ payment by the USPTO patent electronic filing system. ☐ the Director is hereby authorized to charge any fees which may be required, or credit any overpayment, to Deposit Account No. _____. ☐ payment by credit card. Form PTO-2038 is attached. ☐ a check in the amount of the fee is enclosed. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on form PTO-2038. The undersigned is: ☐ patentee. If patentee is a juristic entity, the undersigned is authorized to act on behalf of the juristic entity. ☒ attorney or agent of record.	
Signature /Amit Singhal/	Date Apr. 23, 2025
Name (printed/typed) Amit Singhal	Practitioner registration number 71,021
Note: See 37 CFR 1.4(d) for signature requirements and certifications.	

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Routine uses of the information in this record may include disclosure to: 1) law enforcement, in the event that the system of records indicates a violation or potential violation of law; 2) a federal, state, local, or international agency, in response to its request; 3) a contractor of the USPTO having need for the information in order to perform a contract; 4) the Department of Justice for determination of whether the Freedom of Information Act (FOIA) requires disclosure of the record; 5) a Member of Congress submitting a request involving an individual to whom the record pertains, when the individual has requested the Member's assistance with respect to the subject matter of the record; 6) a court, magistrate, or administrative tribunal, in the course of presenting evidence, including disclosures to opposing counsel in the course of settlement negotiations; 7) the Administrator, General Services Administration (GSA), or their designee, during an inspection of records conducted by GSA under authority of 44 U.S.C. 2904 and 2906, in accordance with the GSA regulations and any other relevant (i.e., GSA or Commerce) directive, where such disclosure shall not be used to make determinations about individuals; 8) another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)); 9) the Office of Personnel Management (OPM) for personnel research purposes; and 10) the Office of Management and Budget (OMB) for legislative coordination and clearance.

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PATENT - POWER OF ATTORNEY OR REVOCATION OF POWER OF ATTORNEY WITH A NEW POWER OF ATTORNEY AND CHANGE OF CORRESPONDENCE ADDRESS	Patent Number	
	Issue Date	October 3, 2023
	First Named Inventor	Timothy James O'Shea
	Title	MACHINE LEARNING-BASED NONLINEAR PRE-DISTORTION SYSTEM
	Attorney Docket No.	DEEP-0003

I hereby revoke all previous powers of attorney given in the above-identified patent.

☐ A Power of Attorney is submitted herewith.

OR

☒ I hereby appoint Practitioner(s) associated with the Customer Number identified in the box at right as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

37013

OR

☐ I hereby appoint Practitioner(s) named below as my/our attorney(s) or agent(s) with respect to the patent identified above, and to transact all business in the United States Patent and Trademark Office connected therewith:

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I am the:

☒ Applicant.

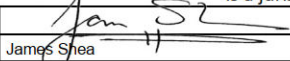
OR

☐ Patent owner.

Statement under 37 CFR 3.73(c) (Form PTO/AIA/96) submitted herewith or filed on _____.

SIGNATURE of Applicant or Patent Owner

The undersigned (whose title is supplied below) is authorized to act on behalf of the applicant or patent owner if the applicant or patent owner is a juristic entity (e.g., corporation, university).

Signature		Date	
Name	James Shea	Telephone	(703)340-1451
Title and Company	CEO, DeepSig Inc.		

NOTE: Signatures of all the applicants or patent owners of the entire interest or their representative(s) are required. If more than one signature is required, submit multiple forms, check the box below, and identify the total number of forms submitted in the blank below.

☐ A total of _____ forms are submitted.

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ELECTRONIC ACKNOWLEDGEMENT RECEIPT

APPLICATION #
17/327,946

RECEIPT DATE / TIME
04/23/2025 04:16:53 PM Z ET

ATTORNEY DOCKET #
44837-0005003

Title of Invention

MACHINE LEARNING-BASED NONLINEAR PRE-DISTORTION SYSTEM

Application Information

APPLICATION TYPE Utility - Nonprovisional Application
 under 35 USC 111(a)

PATENT # 11777540

CONFIRMATION # 9255

FILED BY Amit Singhal

PATENT CENTER # 70132011

FILING DATE 05/24/2021

CUSTOMER # 26171

FIRST NAMED INVENTOR Timothy James O'Shea

CORRESPONDENCE ADDRESS -

AUTHORIZED BY -

Documents

TOTAL DOCUMENTS: 2

DOCUMENT	PAGES	DESCRIPTION	SIZE (KB)
DEEP-0003_POA_Signed.pdf	2	Power of Attorney	246 KB
DEEP-0003_Disclaimer.pdf	2	Statutory disclaimers per Manual of Patent Examining Procedure(MPEP) 1490.	292 KB

Digest

DOCUMENT	MESSAGE DIGEST(SHA-512)
DEEP-0003_POA_Signed.pdf	B870F01C7E8EFF8326C7DC04986E5009BCE20302ED460D07A 6013EFBB6038A2254135383593847FA73F5356035FE2495472C 2F44144E7A1B19C0A3E4108F5DD9

DEEP-0003_Disclaimer.pdf

EE0B787C033FEB AFC534AAEF69811275510CBF21D46028732
4088682051D1588C26A40D968CA0212BB9F19A6D2B1B872F5
5A25770F6661BE5337076DADC3A68C

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application

National Stage of an International Application under 35 U.S.C. 371

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New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.



ELECTRONIC PAYMENT RECEIPT

APPLICATION #
17/327,946

RECEIPT DATE / TIME
04/23/2025 04:16:53 PM Z ET

ATTORNEY DOCKET #
44837-0005003

Title of Invention

MACHINE LEARNING-BASED NONLINEAR PRE-DISTORTION SYSTEM

Application Information

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under 35 USC 111(a)

PATENT # 11777540

CONFIRMATION # 9255

FILED BY Amit Singhal

PATENT CENTER # 70132011

AUTHORIZED BY -

CUSTOMER # 26171

FILING DATE 05/24/2021

CORRESPONDENCE
ADDRESS -

FIRST NAMED
INVENTOR Timothy James O'Shea

Payment Information

PAYMENT METHOD
CARD / 5499

PAYMENT TRANSACTION ID
E20254MG17577800

PAYMENT AUTHORIZED BY
Amit Singhal

PRE-AUTHORIZED ACCOUNT
182056

PRE-AUTHORIZED CATEGORY
37 CFR 1.17 (Patent application and reexamination processing fees); 37 CFR
1.21 (Miscellaneous fees and charges)

FEE CODE	DESCRIPTION	ITEM PRICE(\$)	QUANTITY	ITEM TOTAL(\$)
2814	STATUTORY DISCLAIMER, INCLUDING TERMINAL DISCLAIMER	183.00	1	183.00
TOTAL AMOUNT:				\$183.00

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IPR2025-00194
Ex. 2001

Receipt will establish the filing date of the application

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