

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI351272

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MITSUBISHI ELECTRIC CORPORATION	01/26/2024
SHARP KABUSHIKI KAISHA	01/26/2024
KABUSHIKI KAISHA TOSHIBA	01/26/2024
NEC CORPORATION	01/26/2024
RECEIVING PARTY DATA	
Company Name:	SHARP KABUSHIKI KAISHA
Street Address:	1 TAKUMI-CHO, SAKAI-KU
City:	SAKAI CITY, OSAKA
State/Country:	JAPAN
Postal Code:	590-8522
Company Name:	KABUSHIKI KAISHA TOSHIBA
Street Address:	1-1, SHIBAURA 1-CHOME
City:	MINATO-KU, TOKYO
State/Country:	JAPAN
Postal Code:	105-8001
Company Name:	NEC CORPORATION
Street Address:	7-1, SHIBA 5-CHOME
City:	MINATO-KU, TOKYO
State/Country:	JAPAN
Postal Code:	108-8001
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	10319219
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
Phone:	3126806504
Email:	dgurfinkel@dennemeyer-law.com

Correspondent Name: Daniel M. Gurfinkel
Address Line 1: 230 West Monroe Street, Suite 2100
Address Line 4: Chicago, ILLINOIS 60606

ATTORNEY DOCKET NUMBER: 30100-10165967P 1454594

NAME OF SUBMITTER: Daniel Gurfinkel

SIGNATURE: Daniel Gurfinkel

DATE SIGNED: 07/10/2024

Total Attachments: 6
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UNITED STATES OF AMERICA

ASSIGNMENT OF PATENT

U.S. Patent Nos.: 10319219

For good and valuable consideration in hand paid, the receipt and sufficiency whereof are hereby acknowledged, **MITSUBISHI ELECTRIC CORPORATION**, an entity organized under the laws of Japan as a Corporation having an address at 7-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN 100-8310 (Assignor),

SHARP KABUSHIKI KAISHA, an entity organized under the laws of Japan as a Kabushiki Kaisha, having an address at 1 TAKUMI-CHO, SAKAI-KU, SAKAI CITY, OSAKA, JAPAN 590-8522 (Assignor),

KABUSHIKI KAISHA TOSHIBA, an entity organized under the laws of Japan as a Kabushiki Kaisha, having an address at 1-1, SHIBAURA 1-CHOME, MINATO-KU, TOKYO, JAPAN 105-8001 (Assignor) and

NEC CORPORATION, an entity organized under the laws of Japan as a Corporation, having an address at 7-1, SHIBA 5-CHOME, MINATO-KU, TOKYO, JAPAN 108-8001 (Assignor),

hereby sell, assign, transfer and set over to

SHARP KABUSHIKI KAISHA, an entity organized under the laws of Japan as a Kabushiki Kaisha, having an address at 1 TAKUMI-CHO, SAKAI-KU, SAKAI CITY, OSAKA, JAPAN 590-8522 (Assignee)

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NEC CORPORATION, an entity organized under the laws of Japan as a Corporation, having an address at 7-1, SHIBA 5-CHOME, MINATO-KU, TOKYO, JAPAN 108-8001 (Assignee)

and to the successors and assigns of Assignees, the entire right, title and interest in the invention or improvements of the undersigned disclosed in the U.S. Patent Nos. mentioned above; THEREOF, and in said patents and any and all other applications, both United States and foreign, which the undersigned may have filed and/or may file, either solely or jointly with others, on said inventions or improvements in any United States or foreign patent application claiming priority from, or claiming the same or improved invention as, any or all of the applications upon which said U.S. Patents issued, and in any and all Letters Patent or industrial models of the United States and foreign countries which may be obtained on any of said applications and in any reissue or extension of such patents, for the full term or terms for which said Patent, Patents or Industrial Design are or may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment and sale not been made; together with all claims for damages by reason of past infringement of any or all of said Patents with the right to sue for and collect the same.

Assignor warrants itself to be the owner of the entire right, title and interest in said invention or improvements and to have the right to make this assignment, and further warrants that there are no outstanding prior assignments, licenses, or other encumbrances on the interests herein assigned. Assignor hereby covenants that no other assignment, sale, agreement or encumbrance will be made or entered into which would conflict with this sale and assignment.

Assignor further covenants that Assignee will, upon its request and at the expense of Assignee, be provided promptly with all pertinent facts and documents relating to said inventions and said Letters Patents and legal equivalents as may be known and accessible to Assignor and will testify or cause appropriate persons to testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute or have executed, to the best of its ability, and deliver to Assignee or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce any and all of said applications, said inventions and said letters patent and foreign equivalents thereof which may be necessary or desirable to carry

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UNITED STATES OF AMERICA

out the purposes thereof.

Dated this 26 (day) of January (month) 2024

Shigeo Kishimoto

By: MITSUBISHI ELECTRIC CORPORATION

Name and Title: Shigeo KISHIMOTO, General Manager, Patent Administration Department

By: SHARP KABUSHIKI KAISHA

Name and Title: Mototaka TANEYA, Executive Managing Officer, Chief Technical Officer,
Head of R&D, Head of Corporate Research & Development Group

By: KABUSHIKI KAISHA TOSHIBA

Name and Title: Teruo KINOSHITA, General Manager, Intellectual Property Division

By: NEC CORPORATION

Name and Title: Fumio IMOTO, Department Manager, Development Promotion Department
Intellectual Property Management Division

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U.S. Patent Nos.: 10319219

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By: MITSUBISHI ELECTRIC CORPORATION

Name and Title: Shigeo KISHIMOTO, General Manager, Patent Administration Department

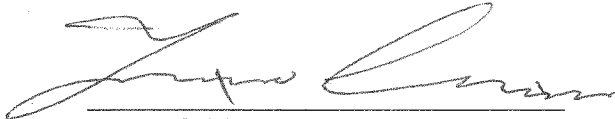


By: SHARP KABUSHIKI KAISHA

Name and Title: Mototaka TANEYA, Executive Managing Officer, Chief Technical Officer,
Head of R&D, Head of Corporate Research & Development Group

By: KABUSHIKI KAISHA TOSHIBA

Name and Title: Teruo KINOSHITA, General Manager, Intellectual Property Division



By: NEC CORPORATION

Name and Title: Fumio IMOTO, Department Manager, Development Promotion Department
Intellectual Property Management Division

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