506070977 05/21/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHARP KABUSHIKI KAISHA	03/06/2020

RECEIVING PARTY DATA

Name:	DENKA COMPANY LIMITED	
Street Address:	1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku	
City:	Tokyo	
State/Country:	JAPAN	

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	9279079

CORRESPONDENCE DATA

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NAME OF SUBMITTER:	KELVIN LIU
SIGNATURE:	/Kelvin Liu/
DATE SIGNED:	05/21/2020

Total Attachments: 1

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PATENT REEL: 052725 FRAME: 0451 506070977

U.S. PATENT ASSIGNMENT

WHEREAS, SHARP KABUSHIKI KAISHA (also known as Sharp Corporation), 1, TAKUMI-CHO, SAKAI-KU, SAKAI CITY, OSAKA 590-8522, JAPAN ("Assignor") and NATIONAL INSTITUTE FOR MATERIALS SCIENCE, 1-2-1, SENGEN, TSUKUBA-SHI IBARAKI, JAPAN 305-0047 ("NIMS") jointly own (i) United States Patent No. 9,279,079 issued on 03-08-2016 and the following (ii) through (iv) to the extent Assignor owns, controls or has the right to license or enforce them at any time: (ii) any patents or patent applications that claim priority directly or indirectly from any of the foregoing patent in subsection (i), or from which priority is directly or indirectly claimed by any such patent(s) in subsection (i), or that have common priority with any such patent(s) in subsection (i); (iii) any foreign counterparts, foreign related patents, continuations, divisionals, continuations-in-part, extensions, substitutions, reissues, renewals and all results of oppositions, reexaminations, supplemental examinations, requests for continued examination and other review procedures of any of the foregoing in subsections (i) and (ii); and (iv) all patents issuing on patent applications covered by any of the foregoing subsections (i) through (iii) (together the "Assigned Patent").

WHÈREAS, DENKA COMPANY LIMITED, a Japanese Company located at 1-1, Nihonbashi-Muromachi 2-chome, Chuo-ku, Tokyo 103-8338, JAPAN("Assignee") is desirous of acquiring title in and to the Assigned Patents.

WHEREAS, Assignor and NIMS jointly own of any and all right, title, and interest in and to the Assigned Patent.

WHEREAS, Assignor desires to sell, assign, and transfer all its right, title, and interest in the Assigned Patent to Assignee, and Assignee desires to obtain all such right, title, and interest in the Assigned Patent from Assignor.

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, Assignor hereby sells, assigns, transfers and conveys unto Assignee, its permitted successors and assigns, all of Assignor's right, title, and interest in and to the Assigned Patents, together with all claims, demands, or causes of action that Assignor has or might have by reason of any infringement of the Assigned Patents prior to the effective date of this assignment, including the right to sue and collect damages for all past, present and future infringement and all lost profits resulting therefrom.

IN WITNESS WHEREOF, this Agreement	has been executed by duly authorized representative
of the Parties on the dates below.	
SHARP KABUSHIKI KAISHA (Assignor)	DENKA COMPANY LIMITED(Assignee)
mostly	距升 包长
Signature	Signature
Taneya Mototaka	Yoshinori Terui
Executive Managing Officer, BU President	General Manager
Corporate Research & Development BU	Intellectual Property Department
Name, Title:	Name, Title:
6. Mar. 2020	12. Hareh, 2020
Date:	Date:

PATENT REEL: 052725 FRAME: 0452

RECORDED: 05/21/2020