PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4855100

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHARP LABORATORIES OF AMERICA, INC.	09/15/2017

RECEIVING PARTY DATA

Name:	SHARP KABUSHIKI KAISHA
Street Address:	1 TAKUMI-CHO, SAKAI-KU
City:	SAKAI CITY, OSAKA
State/Country:	JAPAN
Postal Code:	590-8522

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15859672

CORRESPONDENCE DATA

Fax Number: (360)817-8505

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.

Email: goldieh@sharplabs.com

Correspondent Name: DAVID C. RIPMA

Address Line 1: SHARP LABORATORIES OF AMERICA, INC.

Address Line 2: 5750 NW PACIFIC RIM BLVD. **Address Line 4:** CAMAS, WASHINGTON 98607

ATTORNEY DOCKET NUMBER:	SLA3629.1
NAME OF SUBMITTER:	HATTIE E. GOLDIE
SIGNATURE:	/Hattie E. Goldie/
DATE SIGNED:	03/07/2018

Total Attachments: 1

source=SLA3629 Assignment to SKK#page1.tif

PATENT 504808367 REEL: 045132 FRAME: 0724

CORPORATE-TO-CORPORATE ASSIGNMENT

WHEREAS, Sharp Laboratories of America, Inc. (hereinafter "SLA"), a corporation of the State of Washington, having a place of business at 5750 NW Pacific Rim Boulevard, Camas, Washington 98607, is, by an assignment document recorded in the assignment records of the United States Patent and Trademark Office, at Reel / Frame: 039759 / 0855, the present assignee and record owner of an invention entitled:

"Substrate Features for Enhanced Fluidic Assembly of Electronic Devices"

invented by David Robert Heine et al. (hereinafter "said Invention"), including a US patent application filed by SLA on September 15, 2016, Serial No. 15/266,796, pertaining thereto (hereinafter "the '796 application");

WHEREAS, Sharp Kabushiki Kaisha (hereinafter "Sharp"), a Japanese Corporation, having an address at 1 Takumi-cho, Sakai-ku, Sakai City, Osaka 590-8522, Japan, is the parent company and owner of SLA; and

WHEREAS, SLA and Sharp wish to transfer ownership of said Invention, including the '796 application, from SLA to Sharp;

NOW THEREFORE, for good and valuable consideration acknowledged by SLA to have been received in full from Sharp, SLA does hereby sell, assign, transfer, convey, and quitclaim unto Sharp all of SLA's right, title and interest in and to said Invention, including the '796 application.

The terms and covenants of this Assignment shall inure to the benefit of Sharp, its successors, assigns and other legal representatives, and shall be binding upon SLA, its successors, assigns and other legal representatives.

The undersigned is authorized to act on behalf of the present assignee, SLA.

Sharp Laboratories of America, Inc.

Dated: September 15, 2017 /David C. Ripma/

David C. Ripma, Registration No. 27,672 Patent Counsel of MiiCs IP, Inc., a subsidiary of

SBPJ Co., Ltd. and Sharp Corporation

Corp-to-Corp Assignment of Application -SLA3629

Revised: 9/15/17

PATENT REEL: 045132 FRAME: 0725