

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Koutaro MIZUNO	10/31/2012
RECEIVING PARTY DATA	
Name:	LAPIS SEMICONDUCTOR CO., LTD.
Street Address:	550-1 Higashiasakawa-cho Hachiouji-shi
City:	Tokyo
State/Country:	JAPAN
Postal Code:	193-8550
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13693956
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NAME OF SUBMITTER:	Donald R. Stuebaker
Total Attachments: 1 source=ASN#page1.tif	

OP \$40.00 13693956

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS Koutaro MIZUNO
 hereinafter referred to collectively as the assignor, has invented a certain improvement
 relating to CIRCUIT AND METHOD FOR REMOVING FREQUENCY OFFSET, AND COMMUNICATION APPARATUS
 the inventor(s) declaration for said application being executed concurrently with the execution of this
 instrument; said application to be filed in the United States Patent and Trademark Office;
 said application having been filed in the United States Patent and Trademark Office on,
 _____ authorization being hereby given to the practitioners associated with the
CUSTOMER NUMBER 78198,
 , to insert here in parentheses (Application Serial No. _____) the application serial
 number of said application when known;
 said application having been filed under the Patent Cooperation Treaty on _____,
 Serial No. _____, the United States of America being designated.

AND WHEREAS LAPIS Semiconductor, Co., Ltd.
of 550-1 Higashiasakawa-cho Hachioji-shi, Tokyo 193-8560, Japan
 hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to
 said application, including any and all divisions and continuations thereof, and in and to said invention and
 any and all patents which may be granted therefor, including any and all renewals, reissues and
 prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and
 valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged,
 said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and
 assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions
 and continuations thereof, and in and to said invention and any and all patents which may be granted therefor,
 including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's
 successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions
 and continuations thereof, and the said invention and any and all patents which may be granted therefor,
 including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and
 advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all
 such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use
 and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a
 manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been
 made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's
 successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including
 any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue
 Letters Patent on said application, and on any and all divisions and continuations thereof,
 to said assignee, and said assignee's successors and assigns, in accordance herewith.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any
 further identification which may be necessary or desirable in order to comply with the rules of the United
 States Patent and Trademark Office for recordation of this document:

STUDEBAKER & BRACKETT PC

All practitioners at Customer Number 78198.

AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the
 invention was made.

EXECUTED, October 31, 2012

WITNESS:

ASSIGNOR:

Signature: Yasugaki Okuaki

Signature: Koutaro Mizuno

Name: Koutaro MIZUNO

STUDEBAKER & BRACKETT PC

PATENT