

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Gareth JOHN	10/26/2011
Patrick ZEBEDEE	10/25/2011
RECEIVING PARTY DATA	
Name:	SHARP KABUSHIKI KAISHA
Street Address:	22-22, Nagaike-cho, Abeno-ku, Osaka-shi
City:	Osaka
State/Country:	JAPAN
Postal Code:	545-8522
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13283060
CORRESPONDENCE DATA	
Fax Number:	(216)621-6165
Phone:	2166211113
Email:	carndt@rennerotto.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Mark D Saralino
Address Line 1:	Renner, Otto, Boisselle & Sklar, LLP
Address Line 2:	1621 Euclid Avenue, Nineteenth Floor
Address Line 4:	Cleveland, OHIO 44115
ATTORNEY DOCKET NUMBER:	SHRPP0173US
NAME OF SUBMITTER:	Mark D. Saralino
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

OP \$40.00 13283060

501705463

PATENT
REEL: 027134 FRAME: 0526

ASSIGNMENT

WHEREAS:

NAMES AND
ADDRESSES OF
INVENTORS

Garath JOHN
8 Beech Court, Victoria Gardens, Newbury
Berkshire RG14 1EY
United Kingdom

Patrick ZEBEDEE
56 Bailey Road, Cowley
Oxford OX4 3HY
United Kingdom

(hereinafter referred to as ASSIGNOR), have invented a certain invention entitled:

TITLE OF
INVENTION

SERIAL-TO-PARALLEL CONVERTER, AND DISPLAY DEVICE INCORPORATING
THE SAME

for which application for Letters Patent of the United States has been:

PARTICULARS OF
APPLICATION

☒ executed concurrently herewith,
☒ filed under U.S. Application No. 13/283,060 on 27 OCT 2011, or
☐ filed under Express Mail Label No. _____ on _____

hereby sell(s) and assign(s) the entire worldwide right, title and interest, so far as concerns the
United States and the Territories and Possessions thereof and all foreign countries to:

NAME, STATE OF
INCORPORATION
AND ADDRESS OF
ASSIGNEE

SHARP KABUSHIKI KAISHA
22-22, Nagaika-cho, Abeno-ku, Osaka-shi
Osaka 545-8622 Japan

Including:

any and all related patent application(s) in the United States or a country foreign thereto, including
continuations, continuations-in-part, divisionals, conversions, renewals, substitutes, reissues,
reexaminations, extensions, non-provisional applications, convention, international (e.g., Patent
Cooperation Treaty (PCT)) and other applications based in whole or in part upon said invention(s)
or upon said application(s);

any and all Letters Patent, renewals, reissues, reexamination certificates and extensions of Letters
Patent granted for said invention(s) or upon said application(s); and

every priority right that is or may be predicated upon or arise from said invention(s), said
application(s) and said Letters Patent.

I/We additionally authorize the Assignee to file patent applications in my/our name for Letters
Patent in any country (by international convention, treaty or otherwise), to be held and enjoyed by
the Assignee, its successors and assigns, to the full end of the term or terms for which Letters
Patent respectively may be granted, reissued, reexamined or extended, as fully and entirely as the
same would have been held and enjoyed by me/us had this Assignment and transfer not been
made.

I/We also appoint the Assignee as my/our common representative to represent me/us before all
the competent International Authorities in connection with any and all international applications.

I/We hereby authorize the Commissioner of Patents and Trademarks of the United States of
America and the empowered officials of all other governments to issue or transfer all said Letters
Patent to the Assignee in accordance herewith.

I/We hereby covenant that I/we have the full right to convey the entire interests herein assigned, and that I/we have not executed and will not execute any agreement in conflict herewith and that such assigned rights are not encumbered by any grant, license or other right previously given. I/We agree that each time a request is made, and without undue delay, I/we will execute and deliver all such papers as may be necessary or desirable to perfect the title in and to the invention(s), said application(s) and said Letters Patent, to the Assignee, its successors or assigns.

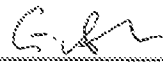
I/We agree, without undue delay, to undertake all reasonable acts to assure that said invention(s), patent application(s) and Letters Patent shall be held and enjoyed by the Assignee as fully and entirely as the same could have been held and enjoyed by the undersigned if this assignment had not been made, and particularly: to execute and deliver to the Assignee all lawful documents including petitions, specifications, oaths, declarations, powers of attorney, assignments, invention disclaimers and lawful affidavits in form and substance which may be requested by the Assignee; to furnish the Assignee with all facts relating to said invention(s) or the history thereof and any and all documents, photographs, models, samples or other physical exhibits which may be useful for establishing the facts of conception, disclosure and reduction to practice of said invention(s), and to testify in any proceedings relating to said invention(s), patent application(s) and Letters Patent.

I/We hereby sell, assign and transfer unto the Assignee the authority to revoke power(s) of attorney executed by me/us in connection with this application and to appoint a new power of attorney in place thereof.

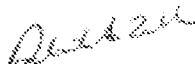
I authorize the patent attorney of record and/or having power of attorney in the U.S. patent application identified above to insert the serial number and filing date information for the patent application in the appropriate spaces in this assignment document when that information becomes available.

FULL NAME(S) OF
INVENTOR(S)

Date 26th OCTOBER 2011


Gareth JOHN

Date 26th OCTOBER 2011


Patrick ZEBEDEE