

05-27-1999

U.S. DEPARTMENT OF COMMERCE
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PATENTS ONLY

HEET

PD-970681

Customer No.: 020991

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Robert Y. Loo Adele E. Schmitz Julia J. Brown Additional Name(s) of conveying party(ies) attached? yes <input type="checkbox"/> no <input checked="" type="checkbox"/>	2. Name and address of receiving party(ies): Name: HUGHES ELECTRONICS CORPORATION Internal Address: Bldg. 001, M/S A109 P.O. Box 956 El Segundo, California 90245-0956 Street Address: Bldg. 001, M.S. A109 200 North Sepulveda Blvd. El Segundo, California 90245-0956 Additional name(s) & address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>March 17, 1999 and April 20, 1999.</u>	

4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: <u>March 17, 1999 and April 20, 1999.</u>	
A. Patent Application No.(s) Filed: 09/311673	B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no

1542 U.S. PTO
09/311673
05/13/99

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Patent Records Administration Internal Address: HUGHES ELECTRONICS CORPORATION Building 001, M/S A109 P.O. Box 956 El Segundo, California 90245-0956 Street Address: 200 North Sepulveda Boulevard El Segundo, California 90245-0956	6. Total number of applications and patents involved: [1] 7. Total fee (37 CFR 3.41)..... \$40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account 8. Deposit account number: 50-0383
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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Terje Gudmestad, Reg. No. 32,232

Signature

May 13, 1999

Date

Total number of pages including the cover sheet: [4]

Mail documents to be recorded with required cover sheet information to:
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PATENT
REEL: 009971 FRAME: 0046

ASSIGNMENT

Customer No. 020991

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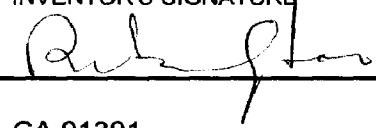
WHEREAS, I, as below named sole inventor (if only one name is listed below) or joint inventor (if plural names are listed below) of the city and state as stated below next to my name, have invented a(an) **METHOD OF FABRICATING A SURFACE COUPLED InGaAs PHOTODETECTOR** for which application for Letters Patent of the United States has been executed by me on this day, or (if the following is completed) filed on _____ as Serial No. _____ ; and

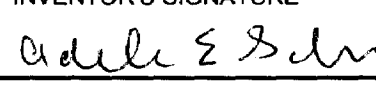
WHEREAS, **HUGHES ELECTRONICS CORPORATION**, (hereinafter referred to as **HUGHES**), a Delaware Corporation, having its principal place of business in El Segundo, California, is desirous of acquiring the entire and exclusive right, title and interest in, to and under said invention, said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world;


NOW, THEREFORE, in consideration of the obligations voluntarily assumed by me and set forth in an invention agreement between me and my employer, effective the date as stated below next to my name, and other good and valuable consideration, receipt of which is hereby acknowledged, I do hereby sell, assign and transfer to HUGHES, its successors, assigns or other legal representatives, the entire and exclusive right, title and interest in and to said invention invented by me, to said application and any and all applications which are continuations, continuations-in- part, divisions or substitutes of said application and any and all Letters Patent that may be granted therefor in the United States and throughout the world on any of said applications and to any and all reexaminations, reissues, renewals or extensions of said Letters Patent in the United States and throughout the world for the full term or terms for which said Letters patent may be granted in the United States and throughout the world; authorize and request The Commissioner of Patents and Trademarks of the United States and all foreign countries to issue all such Letters Patent to said HUGHES, its successors, assigns or other legal representatives; covenant that no assignment, sale, agreement, transfer or encumbrance has been, or will be, made or entered into which would conflict with this assignment, sale and transfer; and agree to communicate to HUGHES, its successors, assigns or other legal representatives, upon request and at no cost or expense to me, any facts known by me respecting said invention, do all lawful acts, including the execution and delivery of all papers and proper oaths and giving of testimony that is deemed necessary or desirable by HUGHES, its successors, assigns or other legal representatives with regard to said invention for protecting, obtaining, maintaining and enforcing any and all of said letters Patent in the United States and throughout the world for said invention and for perfecting, affirming, recording and maintaining the title of HUGHES, its successors, assigns or other legal representatives, and generally cooperate to the fullest extent in all matters pertaining to said invention, and any and all of said Letters Patent and the title thereto in HUGHES, its successors, assigns or other legal representatives.

PD-970681

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR ROBERT Y. LOO	INVENTOR'S SIGNATURE 	DATE 3-17-99
RESIDENCE (CITY AND STATE) 29046 OLD CARRIAGE, AGOURA HILLS, CA 91301		INVENTION AGREEMENT DATE September 15, 1976

FULL NAME OF SOLE OR JOINT INVENTOR ADELE E. SCHMITZ	INVENTOR'S SIGNATURE 	DATE 3-17-99
RESIDENCE (CITY AND STATE) 1091 AMBERTON LANE, NEWBURY PARK, CA 91320		INVENTION AGREEMENT DATE October 1, 1979

FULL NAME OF SOLE OR JOINT INVENTOR JULIA J. BROWN	INVENTOR'S SIGNATURE 	DATE 4-20-99
RESIDENCE (CITY AND STATE) 1214 PEARL STREET, SANTA MONICA, CA 90405		INVENTION AGREEMENT DATE October 10, 1991

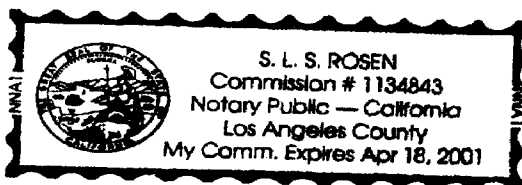
STATE OF Calif.
COUNTY OF Los Angeles

SS:

On 3-17-99 before me, SLS ROSEN, Notary,
a Notary Public in and for said State, personally appeared Robert Y Loo and
Adele E Schmitz

☐ personally known to me or ☒ proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that ~~he/she~~/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



SLS Rosen
Notary Public