

03/20/00

FORM PTO-1595
1-31-92

04-13-2000

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

EET



PD-990022

To the Honorable Commissioner of Patents

101318707

attached original documents or copy thereof.

1. Name of conveying party(ies):
Ralf Ihmels and Chris Trammell
Additional Name(s) of conveying party(ies) attached?
Yes no

2. Name and address of receiving party(ies):
Name: HUGHES ELECTRONICS CORPORATION
Internal Address: Bldg. 001, M/S A109
PO Box 956
200 N. Sepulveda Blvd.
El Segundo, CA 90245-0956

U.S. PATENT
09/528604
JCA 1996

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: January 26, 2000

Street Address: 200 N. Sepulveda Blvd.
P.O. Box 956
El Segundo, California 90245
Additional name(s) & address(es) attached? yes no

4. Application number(s) or patent number(s): PD-990022
If this document is being filed together with a new application, the execution date of the application is: January 26, 2000
A. Patent Application No.(s) B. Patent No.(s)
Additional numbers attached? yes no

09/528604

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: HUGHES ELECTRONICS CORPORATION
Internal Address: Corporate Patents & Licensing
Bldg. 001, M/S A109
PO Box 956
El Segundo, CA 90245-0956

6. Total number of applications and patents involved: [1]
7. Total fee (37 CFR 3.41): \$40.00
 Enclosed
 Authorized to be charged to deposit account
8. Deposit account number:
50-0383
(Attached duplicate copy of this page if paying by deposit account)

04/13/2000 JSHABAZZ 00000033 500383 09528604
01 FC:581 40.00 CH

DO NOT USE THIS SPACE

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
Name of Person Signing

Signature
March 20, 2000
Date
Total number of pages comprising cover sheet: [3]

Customer No. 020991

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 Variable Power Divider/Combiner for which an 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.

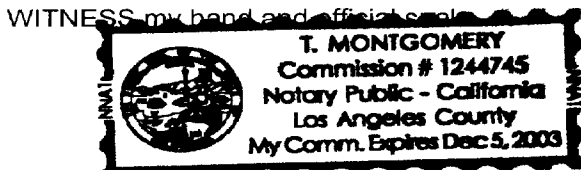
IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR Ralf Ihmels	INVENTOR'S SIGNATURE <i>Ralf L Ihmels</i>	DATE 01/26/2000
RESIDENCE (CITY AND STATE) 1105 Steinhart Avenue, Redondo Beach, CA 90278		INVENTION AGREEMENT DATE October 17, 1994

FULL NAME OF SOLE OR JOINT INVENTOR Chris Trammell	INVENTOR'S SIGNATURE <i>Chris Trammell</i>	DATE 01/26/2000
RESIDENCE (CITY AND STATE) 380 Portola Avenue, La Habra, CA 90631		INVENTION AGREEMENT DATE 6/11/75

STATE OF California)
COUNTY OF Los Angeles) SS:

On January 26, 2000 before me, T. MONTGOMERY,
a Notary Public in and for said State, personally appeared Ralf Ihmels, 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.



T. Montgomery
Notary Public

STATE OF California)
COUNTY OF Los Angeles) SS:

On January 26, 2000 before me, T. MONTGOMERY,
a Notary Public in and for said State, personally appeared Chris Trammell 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.



T. Montgomery
Notary Public