

FORM PTO-1595  
1-31-92

10-16-1998



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U.S. DEPARTMENT OF COMMERCE  
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U.S. PTO  
09/16/98  
10/06/98

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

<p>1. Name of conveying party(ies):</p> <p><b>ROLF KICH</b> <b>JAMES M. BARKER</b></p> <p>Additional Name(s) of conveying party(ies) attached? yes <input type="checkbox"/> no <input checked="" type="checkbox"/></p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: HUGHES ELECTRONICS CORPORATION</p> <p>Internal Address: Bldg. 001, M/S A109 P.O. Box 956 200 N. Sepulveda Blvd. El Segundo, CA 90245-0956</p>
<p>3. Nature of Conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: <u>SEPTEMBER 30, 1998</u></p>	<p>Street Address: Bldg. 001, M.S. A109 200 N. Sepulveda Blvd. El Segundo, California 90245</p> <p>Additional name(s) &amp; address(es) attached? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no</p>

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: 9/30/98

A. Patent Application No.(s): \_\_\_\_\_ B. Patent No.(s): \_\_\_\_\_

Additional numbers attached?  yes  no

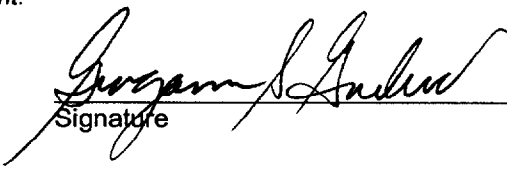
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Patent Records Administration Address: Hughes Electronics Corporation Bldg. 001, M/S A109 P.O. Box 956 200 N. Sepulveda Blvd. El Segundo, CA 90245-0956</p>	<p>6. Total number of applications and patents involved: [ 1 ]</p> <p>7. Total fee (37 CFR 3.41): <u>\$40.00</u></p> <p><input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <u>50-0383</u></p> <p>(Attached duplicate copy of this page if paying by deposit account)</p> <p><b>Customer No. 020991</b></p>
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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.*

GEORGANN S. GRUNEBACH  
Registration No. 33,179

  
Signature

OCTOBER 6, 1998  
Date

Total number of pages including cover sheet: [ 3 ]

OMB No. 0651-0011 (exp. 4/94)

10/15/1998 SBURNS 00000130 500383 09167053  
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PATENT  
REEL: 9505 FRAME: 0573

**ASSIGNMENT**

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Customer No. 020991

PD-96295

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) **REFLECTIVE WAVEGUIDE VARIABLE POWER DIVIDER/COMBINER** 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-96295

IN WITNESS WHEREOF, I have executed this instrument.

FULL NAME OF SOLE OR JOINT INVENTOR ROLF KICH	INVENTOR'S SIGNATURE <i>Rolf Kich</i>	DATE 9-30-98
RESIDENCE (CITY AND STATE) 1624 HARPER AVENUE, REDONDO BEACH, CA 90278		INVENTION AGREEMENT DATE June 16, 1981

FULL NAME OF SOLE OR JOINT INVENTOR JAMES M. BARKER	INVENTOR'S SIGNATURE <i>James M. Barker</i>	DATE 9/30/98
RESIDENCE (CITY AND STATE) <del>2400 ROCKEFELLER #A</del> 2110 ARTESIA BLVD #B173 REDONDO BEACH, CA 90278		INVENTION AGREEMENT DATE October 3, 1988

STATE OF California )  
COUNTY OF Los Angeles )

SS:

On SEPTEMBER 30 (JW), 1998 before me, T. MONTGOMERY,  
a Notary Public in and for said State, personally appeared ROLF KICH and  
JAMES M. BARKER

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

