

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT4644638

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|---|----------------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT             |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                 |
| <b>CONVEYING PARTY DATA</b>   |                            |
| <b>Name</b>   | <b>Execution Date</b>      |
| EDWARD H. FRANK   | 07/25/2005                 |
| MARK BUER   | 08/22/2005                 |
| JEYHAN KAROGUZ  | 08/08/2005                 |
| <b>RECEIVING PARTY DATA</b>   |                            |
| <b>Name:</b>  | BROADCOM CORPORATION       |
| <b>Street Address:</b>  | 16215 ALTON PARKWAY        |
| <b>City:</b>  | IRVINE                     |
| <b>State/Country:</b>   | CALIFORNIA                 |
| <b>Postal Code:</b>   | 92618                      |
| <b>PROPERTY NUMBERS Total: 1</b>  |                            |
| <b>Property Type</b>  | <b>Number</b>              |
| Patent Number:  | 7937585                    |
| <b>CORRESPONDENCE DATA</b>  |                            |
| <b>Fax Number:</b>  | (408)518-5671              |
| <i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i> |                            |
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| <b>Email:</b>   | david.schaeffer@nxp.com    |
| <b>Correspondent Name:</b>  | DAVID SCHAEFFER            |
| <b>Address Line 1:</b>  | 411 EAST PLUMERIA DRIVE    |
| <b>Address Line 4:</b>  | SAN JOSE, CALIFORNIA 95134 |
| <b>NAME OF SUBMITTER:</b>   | DAVID L. SCHAEFFER         |
| <b>SIGNATURE:</b>   | /David L. Schaeffer/       |
| <b>DATE SIGNED:</b>   | 10/17/2017                 |
| <b>Total Attachments: 3</b>   |                            |
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| source=Assignment#page2.tif   |                            |
| source=Assignment#page3.tif   |                            |

**ASSIGNMENT**

**I, one of the persons named below, hereby state and agree as follows:**

I have invented certain new and useful improvements disclosed in an application for United States Letters Patent entitled SYSTEMS AND METHODS FOR PROVIDING SECURITY TO DIFFERENT FUNCTIONS, executed by me on even date herewith and in United States Provisional Application No. 60/621,288, filed October 22, 2004 (collectively the "Application");

**AND BROADCOM CORPORATION**, a California corporation, having a place of business at 16215 Alton Parkway, Irvine, California 92618 (hereafter, together with any successors, legal representatives or assigns thereof, called "ASSIGNEE") wants to acquire the entire right, title and interest in and to said improvements and application.

**NOW, THEREFORE**, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, transferred and set over, and do hereby sell, assign, transfer and set over to ASSIGNEE the entire right, title and interest in and to said improvements, and said application and all divisions and continuations thereof, and all United States Letters Patents which may be granted thereon and all reissues, reexaminations and extensions thereof, and all priority rights under all available International Agreements, Treaties and Conventions for the protection of intellectual property in its various forms in every participating country, and all applications for patents (including related rights such as utility-model registrations, inventor's certificates, and the like) heretofore or hereafter filed for said improvements in any foreign countries, and all patents (including all continuations, divisions, extensions, renewals, substitutes, and reissues thereof) granted for said improvements in any foreign countries; and I hereby authorize and request the United States Commissioner of Patents and Trademarks, and any officials of foreign countries whose duty it is to issue patents on applications as aforesaid, to issue all patents for said improvements to ASSIGNEE in accordance with the terms of this Assignment;

**AND I HEREBY** covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith;

**AND I HEREBY** further covenant and agree that I will communicate to ASSIGNEE any facts known to me respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute and reissue applications, make all rightful oaths and generally do everything possible to aid ASSIGNEE to obtain and enforce proper patent protection for said improvements in all countries.

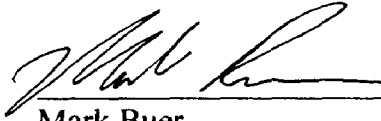
Date: 25-11-05

  
\_\_\_\_\_  
Edward H. Frank

**ASSIGNMENT**

**Docket No. 53035/PCH/B600**

Date: 8-22-05



Mark Buer

Date: \_\_\_\_\_

Jeyhan Karoguz

PCH/dlf

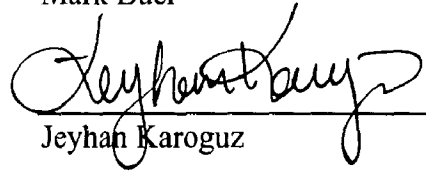
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**ASSIGNMENT**  
**Docket No. 53035/PCH/B600**

Date: \_\_\_\_\_

Date: 8/8/05

\_\_\_\_\_  
Mark Buer

  
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Jeyhan Karoguz

PCH/df

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