

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Jeffrey Lewis Amram Summit</td><td>07/27/2005</td></tr><tr><td>Brett A. Miwa</td><td>07/26/2005</td></tr><tr><td>Karl Richard Volk</td><td>07/26/2005</td></tr></tbody></table>	Name	Execution Date	Jeffrey Lewis Amram Summit	07/27/2005	Brett A. Miwa	07/26/2005	Karl Richard Volk	07/26/2005	
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Jeffrey Lewis Amram Summit	07/27/2005								
Brett A. Miwa	07/26/2005								
Karl Richard Volk	07/26/2005								
RECEIVING PARTY DATA									
Name:	Maxim Integrated Products, Inc.								
Street Address:	120 San Gabriel Drive								
City:	Sunnyvale								
State/Country:	CALIFORNIA								
Postal Code:	84086								
PROPERTY NUMBERS Total: 1									
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>11145269</td></tr></tbody></table>	Property Type	Number	Application Number:	11145269					
Property Type	Number								
Application Number:	11145269								
CORRESPONDENCE DATA									
Fax Number:	(310)820-5988								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	714-557-3800								
Email:	jessica_clark@bstz.com								
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NAME OF SUBMITTER:	Roger W. Blakely, Jr.								
Total Attachments: 3 source=11145269#page1.tif source=11145269#page2.tif source=11145269#page3.tif									

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PATENT  
REEL: 016411 FRAME: 0911

## **ASSIGNMENT**

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

**Jeffrey Lewis Amram Summit; Brett A. Miwa; Karl Richard Volk**

hereby sell, assign, and transfer to:

**Maxim Integrated Products, Inc.**

a Corporation of Delaware, having a principal place of business at 120 San Gabriel Drive, Sunnyvale, California 94086 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent filed on June 3, 2005, and assigned Application No. 11/145,269 and is entitled:

### **STEP-UP/STEP-DOWN (BUCK/BOOST) SWITCHING REGULATOR CONTROL METHODS**

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, power of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

covenant with said Assignee, its successors, assigns, and legal representatives that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Each Inventor: Please Sign and Date Below:

7/27/05 Jeffrey L. Amram  
Date Name: **Jeffrey Lewis Amram Summit**

July 26 2005 Brett A. Miwa  
Date Name: **Brett A. Miwa**

\_\_\_\_\_  
Date Name: **Karl Richard Volk**

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Assignment Document Return Address:

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP  
12400 Wilshire Boulevard, 7th Floor  
Los Angeles, CA 90025  
Telephone: (714) 557-3800

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Each Inventor: Please Sign and Date Below:

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Date \_\_\_\_\_ Name: **Jeffrey Lewis Amram Summit**

Date \_\_\_\_\_ Name: **Brett A. Miwa**

7/26/05   
Date \_\_\_\_\_ Name: **Karl Richard Volk**

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

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

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