

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>Michiel Victor Paul Kruger</td><td>09/03/2008</td></tr><tr><td>Bayram Yenikaya</td><td>08/29/2008</td></tr><tr><td>Anwei Liu</td><td>09/12/2008</td></tr><tr><td>Abdurrahman Sezginer</td><td>08/29/2008</td></tr><tr><td>Wolf Staud</td><td>09/12/2008</td></tr></tbody></table>	Name	Execution Date	Michiel Victor Paul Kruger	09/03/2008	Bayram Yenikaya	08/29/2008	Anwei Liu	09/12/2008	Abdurrahman Sezginer	08/29/2008	Wolf Staud	09/12/2008	
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<table border="1"><tr><td>Name:</td><td>Cadence Design Systems, Inc.</td></tr><tr><td>Street Address:</td><td>2655 Seely Avenue. M/S 5B1</td></tr><tr><td>City:</td><td>San Jose</td></tr><tr><td>State/Country:</td><td>CALIFORNIA</td></tr><tr><td>Postal Code:</td><td>95134</td></tr></table>	Name:	Cadence Design Systems, Inc.	Street Address:	2655 Seely Avenue. M/S 5B1	City:	San Jose	State/Country:	CALIFORNIA	Postal Code:	95134			
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PROPERTY NUMBERS Total: 1													
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CORRESPONDENCE DATA													
Fax Number: (858)509-3691 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
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Address Line 1: 333 South Hope Street, 48th Floor													
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ATTORNEY DOCKET NUMBER:	041Y-133311												
NAME OF SUBMITTER:	Linda M. de la Garza												

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PATENT
REEL: 021588 FRAME: 0495

Total Attachments: 6

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PATENT

REEL: 021588 FRAME: 0496

ASSIGNMENT

WHEREAS, Michiel Victor Paul Kruger of Berkeley, California, Bayram Yenikaya of San Jose, California, Anwei Liu of Fremont, California, Abdurrahman Sezginer of Monte Sereno, California and Wolf Staud of Redwood City, California, Assignors, have invented a new and useful METHOD FOR DOUBLE PATTERNING LITHOGRAPHY, for which a U.S. utility application for United States Letters Patent was filed on February 21, 2008, under Serial No. 12/035,413; and

WHEREAS, Assignors believe themselves to be the original, first, and joint inventors of the invention disclosed and claimed in the application for Letters Patent; and

WHEREAS, Cadence Design Systems, Inc., having a place of business at 2655 Seely Avenue, M/S 5B1, San Jose, California, 95134, Assignee, desires to acquire by formal, recordable assignment the entire right, title and interest in and to the invention, the application, and any Letters Patent that might be granted for the invention in the United States and throughout the world;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, said Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto said Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International

Convention for the Protection of Industrial Property, the same to be held and enjoyed by said Assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignors, had this sale and assignment not been made.

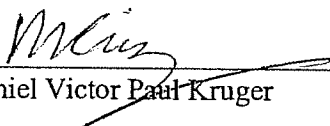
AND for the same consideration, said Assignors hereby covenant and agree to and with said Assignee its successors, legal representatives and assigns, that said Assignors will, whenever counsel of said Assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said Assignee, its successors, legal representatives and assigns, but at the cost and expense of said Assignee, its successors, legal representatives and assigns.

AND for the same consideration, said Assignors hereby covenant and agree to and with said Assignee its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said Assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that said Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

Assignors authorize and request the Commissioner of Patents and Trademarks of the United States and of all foreign countries to issue any Letters Patent granted for the invention, whether on the application or on any subsequently filed division, continuation, continuation-in-part or reissue application, to Assignee, its successors and assigns, as the assignee of the entire interest in the invention.

Assignors:

Date: 09/03/2008


Michiel Victor Paul Kruger

Date: _____

Bayram Yenikaya

Date: _____

Anwei Liu

Date: _____

Abdurrahman Sezginer

Date: _____

Wolf Staud

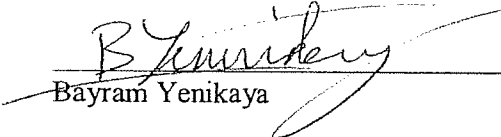
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Assignors:

Date: _____

Michiel Victor Paul Kruger

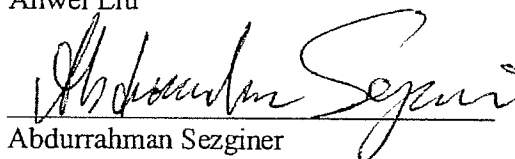
Date: 8-29-2008


Bayram Yenikaya

Date: _____

Anwei Liu

Date: 8/29/2008


Abdurrahman Sezginer

Date: _____

Wolf Staud

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Assignors:

Date: _____

Michiel Victor Paul Kruger

Date: _____

Bayram Yenikaya

Date: 09/12/08

Anwei Liu
Anwei Liu

Date: _____

Abdurrahman Sezginer

Date: _____

Wolf Staud

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Assignors:

Date: _____

Michiel Victor Paul Kruger

Date: _____

Bayram Yenikaya

Date: _____

Anwei Liu

Date: _____

Abdurrahman Sezginer

Date: 9/12/08

Wolfgang Staud
Wolf Staud