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To the Director of the U.S. Patents and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):

Louis K. Scheffer
Joel R. Phillips

2. Name and address of receiving party(ies)

Name: Cadence Design Systems, Inc.

Internal Address: _____

Street Address: 2655 Seely Avenue

City: San Jose

State: California

Country: U.S.A.

Zip: 95134

Additional Name(s) & address(es) attached? ☐ Yes ☒ NoAdditional name of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

Execution Date(s) May 18, 2006 and May 18, 2008

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

4. Application number(s) or patent number(s):

A. Patent Application No.(s)

11/437,583

☐ This document is being filed together with a new application.

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning this document should be mailed:

Name: Peter C. Mei

Internal Address: Bingham McCutchen LLP

Street Address: Three Embarcadero Center

City: San Francisco

State: CA Zip: 94111

Phone Number: (650) 849-4400

Fax Number: (650) 849-4800

Email Address: peter.mei@bingham.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 50-2518

Authorized User Name Peter C. Mei

9. Signature:

Signature

May 19, 2006

Date

Sarah Stahnke, Reg. No. 54,854

Total number of pages including cover sheet, attachments, and documents

3

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (571) 278-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

PA/52182898.1/2019335-7040452001

PATENT
REEL: 018092 FRAME: 0475

ASSIGNMENT OF PATENT APPLICATION

WHEREAS, WE, **LOUIS K. SCHEFFER**, a citizen of the United States of America; and **JOEL R. PHILLIPS**, a citizen of the United States of America (hereinafter referred to as "ASSIGNORS"), have invented a certain invention entitled **METHOD AND SYSTEM FOR CHIP DESIGN USING PHYSICALLY APPROPRIATE COMPONENT MODELS AND EXTRACTION** for which application for Letters Patent of the United States of America has been executed on even date herewith; and

WHEREAS, **CADENCE DESIGN SYSTEMS, INC.**, a corporation organized and existing under and by virtue of the laws of the state of **DELAWARE** and having its place of business at **2655 Seely Avenue, San Jose, California 95134** (hereinafter referred to as "ASSIGNEE"), is desirous of acquiring the exclusive right, title and interest in, to and under said invention and in, to and under any Patent or similar legal protection to be obtained therefore in the United States of America, its territorial possessions and in any and all countries foreign thereto.

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign, transfer and set over unto the said ASSIGNEE, its successors and assigns, the full and exclusive right, title and interest to said invention and to all Letters Patent or application or similar legal protection, not only in the United States and its territorial possessions, but in all countries foreign thereto to be obtained for said invention by said application, and to any continuation, division, renewal, substitute or reissue thereof or any legal equivalent thereof in the United States or a foreign country for the full term or terms for which the same may be granted, including all priority rights under the International Convention; and ASSIGNORS hereby authorize and request the United States Commissioner of

Patents and Trademark and any officials of foreign countries whose duty it is to issue patents or any legal equivalent thereof to said ASSIGNEE, its successors and assigns, in accordance with this Agreement.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this Agreement.

ASSIGNORS further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNORS and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents in the United States or in any foreign county, which may be necessary or desirable to carry out the purpose thereof.

18 May 06
Date

Louis K. Scheffer
Louis K. Scheffer

18 May 06
Date

Joel R. Phillips
Joel R. Phillips