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

1. Name of conveying party(ies)

CHARLES CHEN

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance/Execution Date(s):

Execution Date(s) OCTOBER 29, 2007

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

2. Name and address of receiving party(ies)

Name: CORTINA SYSTEMS, INC.

Internal Address: _____

Street Address: 840 WEST CALIFORNIA AVENUE

SUITE 100

City: SUNNYVALE

State: CALIFORNIA

Country: USA Zip 95086

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application or patent number(s):

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

A. Patent Application No.(s)

B. Patent No.(s)

11/980,545

Additional numbers attached? ☐ Yes ☒ No

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

Name: DOWELL & DOWELL

Internal Address: _____

Street Address: 2111 EISENHOWER AVENUE, SUITE 406

City: ALEXANDRIA

State: VIRGINIA Zip 22314

Phone Number: (703) 415-2555

Fax Number: (703) 415-2559

Email Address: _____

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

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

8. Payment Information

Deposit Account Number 19-2550

Authorized User Name

09/15/2008 DBYRNE 00000000 192550 11980545

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9/11/2008
Date

9. Signature:

WENDY M SLADE

Signature

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

WHEREAS, I, CHARLES CHEN, citizen of the United States of America, residing at 48994 Meadowfare Common, Fremont, California 94539, U.S.A., (hereinafter referred to as the "Assignor"), have made certain inventions and discoveries disclosed in the United States Patent Application entitled FORWARDING LOOP PREVENTION APPARATUS AND METHODS, to be filed in the United States of America (hereinafter referred to as the "Application");

AND WHEREAS, CORTINA SYSTEMS, INC., whose full post office address is 840 West California Avenue, Suite 100, Sunnyvale, California 95086, U.S.A., (hereinafter referred to as the "Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions and discoveries, and in and to the Application inclusive of any and all priority rights derived therefrom for any and all countries in the world, and in and to any and all Letters Patent issuing in any and all countries in the world, to be granted for said inventions and discoveries based on said Application or on patent applications filed in any country claiming priority from said Application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I the Assignor, do hereby sell, assign, transfer, and set over unto the Assignee, its successors and assigns, my entire right, title, and interest in and to the inventions and discoveries disclosed in the Application, and in and to the Application and any continuations or divisions thereof and all priority rights derived therefrom, and in and to any and all patent applications and any continuations or divisions thereof filed in any country claiming priority from the Application, and in and to all Letters Patent which may be granted upon the Application or upon patent applications filed in any and all countries in the world including the United States of America, claiming priority from the Application, and in and to any and all reissues, substitutions, or prolongations thereof; the same to be held and enjoyed by the Assignee for its own use and behoof, and for the use and behoof of its successors and assigns, to the full end of the term or terms for which said Letters Patent, or reissues, substitutions, or prolongations thereof may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made;

AND I hereby agree that, upon request, and without further consideration, but at the expense of the Assignee, I will communicate to the Assignee or its representatives or nominees any facts known to me respecting said inventions and discoveries and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths and generally aid the Assignee, its successors, assigns, and nominees to obtain and enforce proper patent protection for said inventions and discoveries in all countries, and I further agree to execute any and all further papers which may be necessary or desirable to vest or perfect the title of the Assignee, its

successors and assigns, in and to said inventions and discoveries, and in and to any and all Letters Patent or reissues thereof which may be granted upon application in any and all countries in the world

AND I hereby authorize and request any official whose duty it is to issue patents to issue each and every Letters Patent to be granted upon the aforesaid Application in any and all countries, and each and every reissue of said Letters Patent, to the Assignee, its successors and assigns, as the assignee of our entire right, title and interest therein, in accordance with this assignment.

THIS assignment made effective as of immediately.

SIGNED this ^{29th} day of October 2007.

Colleen Asplund

WITNESS

Charles Chen

CHARLES CHEN

ACKNOWLEDGED AND ACCEPTED at ^{Ottawa} this ^{30th} day of ^{Oct,} 2007.

BY: Hojjat Salemi
Hojjat SALEMI
print name

CTO / VP of Engineering
title