

10-25-2002

HEET

U.S. DEPARTMENT OF COMMERCE

1-31-92

Patent and Trademark Office

The Honorable Commissioner of Patents

red original documents or copy thereof.

1. Name of conveying party(ies):  
Douglas A. Cairns

102261025

2. Name and address of receiving party(ies):

Name: Ericsson Inc.

Internal Address:

Street Address: 511 Davis Drive

City Research Triangle Park State North Carolina Zip 27709

Additional name(s) & address(es) attached? ☐ Yes ☒ NoAdditional names of conveying party(ies) attached? ☐ yes ☐ no

3. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: 10/15/02

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

If this document is being filed together with a new application, the execution date of the application is: 10/15/02

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom  
correspondence concerning document should be mailed:

Name: Michael D. Murphy

Internal Address: Coats &amp; Bennett, P.L.L.C.

Street Address: 1400 Crescent Green, Suite 300

City: Cary State: NC Zip: 27511

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

☐ Enclosed☐ Authorized to be charged to deposit account

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Michael D. Murphy

Name of Person Signing

Signature

10/16/2002

Date

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PATENT  
REEL: 013409 FRAME: 0654

ASSIGNMENT LETTER

In consideration of One Dollar and Other good and valuable consideration, of which I acknowledge receipt, I, **Douglas A. Cairns**, a citizen of the United States, residing at **3905 Springstop Lane, Durham, NC 27705**, sell and assign to Ericsson Inc., a Delaware Corporation (the Company), its successors and assigns the entire right, title, and interest in and to the improvements in a **INTEGRATED NOISE CANCELLATION AND RESIDUAL ECHO SUPPRESSION**, invented by me, as described in the application for United States patent executed concurrently herewith, and any and all applications for patent and patents therefor in any and all countries, including all divisions, reissues, continuations and extensions thereof, and all rights of priority resulting from the filing of said United States application, and authorize and request any official whose duty it is to issue patents, to issue any patents on said improvements or resulting therefrom to said Company, or its successors or assigns and agree that on request and without further consideration, but at the expense of the Company, I will communicate to said Company or its representatives or nominees any facts known to me respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Company, its successors, and nominees to obtain and enforce proper patent protection for the improvements in all countries.

October 15, 2002

Date

Douglas A. Cairns  
Douglas A. Cairns

STATE OF North Carolina  
Wake County

I, Barbara A. Friedewald, a Notary Public for said County and State, do hereby certify that Douglas A. Cairns personally appeared before me this day and acknowledged the due execution of the foregoing instrument.

Witness my hand and official seal, this the 15<sup>th</sup> day of October,  
2002.

(Official Seal)

Barbara A. Friedewald  
Notary Public

My commission expires March 1, 2003.