

ER SHEET

11/12/99 101210403 auemarks: Please record the attached original documents or copy thereof To the Honorable Commissioner 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Name: Lucent Technologies Inc. Babak Hassibi Additional name(s) of conveying party(ies) attached? ☐ Yes ☒No Internal Address: __ 3. Nature of conveyance: Assignment Street Address: 600 Mountain Avenue, P. O. Box 636 Security Agreement Change of Name City: Murray Hill State: NJ Zip: 07974-0636 Other Additional name(s) & address(es) attached? ☐ Yes ☒ No Execution Date: November 10, 1999 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: November 10, 1999 A. Patent Application No.(s) B. Patent No. (s) Additional numbers attached? ☐ Yes ☑ No 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: **Docket Administrator** 7. Total fee (37 CFR 3.41) \$ __\$40.00_ Name: Internal Address: Room 3C-512 Enclosed Street Address: 600 Mountain Avenue Authorized to be charged to deposit account P. O. Box 636 8. Deposit account number: 12-2325 City: Murray Hill, State: New Jersey, Zip: 07974-0636 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Martin I. Finston Reg. No. 31613 November 11, 1999 Name of Person Signing

> Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments

Total number of pages including cover sheet, attachments, and document: 3

Washington, D. C. 20231

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PATENT

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ASSIGNMENT AND AGREEMENT

For value received, I, Babak Hassibi, of Somerset in the County of Somerset and the State of New Jersey, hereby sell, assign and transfer to Lucent Technologies Inc., a corporation of the State of Delaware, having an office at 600 Mountain Avenue, Murray Hill, New Jersey, 07974-0636, U.S.A. and its successors, assigns and legal representatives, the entire right, title and interest, for the United States of America, in and to certain inventions related to Method And Apparatus For Receiving Wireless Transmissions Using Multiple-Antenna Arrays described in an application for Letters Patent of the United States, executed by me of even date herewith, and all the rights and privileges in said application and under any and all Letters Patent that may be granted in the United States for said inventions; and I also concurrently hereby sell, assign and transfer to Lucent Technologies Inc. the entire right, title and interest in and to said inventions for all countries foreign to the United States, including all rights of priority arising from the application aforesaid, and all the rights and privileges under any and all forms of protection, including Letters Patent, that may be granted in said countries foreign to the United States for said inventions.

I authorize Lucent Technologies Inc. to make application for such protection in its own name and maintain such protection in any and all countries foreign to the United States, and to invoke and claim for any application for patent or other form of protection for said inventions, without further authorization from me, any and all benefits, including the right of priority provided by any and all treaties, conventions, or agreements.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country in proof of the right of Lucent Technologies Inc. to apply for patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority.

I request that any and all patents for said inventions be issued to Lucent Technologies Inc. in the United States and in all countries foreign to the United States, or to such nominees as may designate.

PATENT REEL: 010413 FRAME: 0859 2

Babak Hassibi

Date: Nov 18, 1884

United States of America)

State of $\wedge \sim (2c_1 + 2c_2)$ ss.:

County of ((/)(0))

Notary Public

SHEILA R. COLE A NOTARY PUBLIC OF NEW JERSEY My Commission Expires 10/18/2000

Lucent Technologies Inc. 600 Mountain Avenue (Room 3C-512) P. O. Box 636 Murray Hill, New Jersey 07974-0636

RECORDED: 11/12/1999

PATENT REEL: 010413 FRAME: 0860