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Juan Alemany (07/26/2004), Thane Frivold	Name: Nokia Inc.
(07/22/2004), Andy Kelm (07/28/2004), and Darren Lancaster (07/26/2004)	Internal Address:
Execution Date(s): in parentheses after inventor name	Street Address:
Additional name(s) of conveying party(ies) attached? Yes X No	
3. Nature of Conveyance:	6000 Connection Drive
X Assignment Merger	
Security Agreement Change of Name	Clty: Irving
Government Interest Assignment	State: Texas
Executive Order 9424, Confirmatory License	· · · · · · · · · · · · · · · · · · ·
Other	Country: United States of America Zip: 75039  Additional name(s) & address(es)
	attached:
10/862,769 Additional numbers attached?	B. Patent No.(s)
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Thomas R. Marquis DARBY & DARBY P.C.	
	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.: 08212/0200920-US0/NC45116US Street Address: P.O. Box 5257	Authorized to be charged by credit card  X Authorized to be charged to deposit account  Enclosed  None required (government interest not affecting title)
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9. Signature:	October 22, 2004
Signature	Date
Thomas R. Marquis - 46,900	Total number of pages including cover
Name of Person Signing	sheet, attachments, and documents:

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## ASSIGNMENT

- I, Juan Alemany, a citizen of Argentina, residing at 1166 Pimento Avenue: Sunnyvale, California 94087; and
- I, Thane Frivold, a citizen of US, residing at 3015 Parkdale Way; Redwood City, California 94061; and
- I, Andy Kelm, a citizen of US, residing at 1542 White Oak Way, San Carlos, California 94070; and
- I, Darren Lancaster, a citizen of US, residing at 1423 Bent Drive; Campbell, California 95008;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

## Nokia Inc.

a Corporation organized under the laws of United States of America, located at 6000 Connection Drive, Irving, Texas 75039 (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, throughout the world in and to my Invention entitled:

## VERTICAL NETWORK HANDOVERS

invented by me and described in Patent Application No. 10/862,769, filed on June 7, 2004, in the United States; and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and emjoyed by me if this assignment and sale had not been made;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or

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representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law,

And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Thane Frivold, Inventor

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