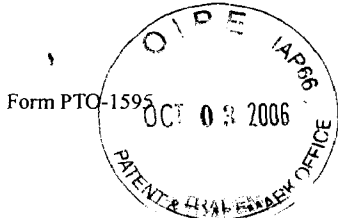


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944-008.022-1



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Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 Please record the attached document

1. Name of conveying party(ies):

1. Anna-Mari VIMPARI, 2. Esa MALKAMÄKI,
3. Jukka NAUHA, and 4. Karri RANTA-AHOAdditional name(s) of conveying party(ies) attached? ☐ Yes
☒ No

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

Name: Nokia Corporation

Address: Keilalahdentie 4

3. Nature of Conveyance:

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

City: Espoo

State:

ZIP Code: FIN-02150

Country: FINLAND

Additional name(s) & address(es) attached? ☐ Yes ☒ NoExecution Date: 1. Sept. 14, 2006, 2. Sept. 20, 2006,
3. Sept. 14, 2006, and 4. Sept. 12, 2006

4. Application number(s) or patent number(s): 11/499,847 filed August 4, 2006

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s):

B. Patent No.(s):

Additional numbers attached? ☐ Yes ☒ No

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

Name: Anatoly Frenkel
Address: Ware, Fressola, Van Der Sluys &
Adolphson LLP
Bradford Green, Bldg. Five
755 Main St., P.O. Box 224

City: Monroe

State: CT

ZIP Code: 06468

6. Total number of applications and/or patents involved:

..... 1

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

☒ Enclosed☐ Charge deposit account☒ Please charge any fee deficiency to deposit account

8. Deposit account number: 23-0442

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9. Statement And Signature:

*To the best of my knowledge and belief, the foregoing information is true and Correct and, the attached document is either an original document or a true copy of the original document.*Anatoly Frenkel
Name of Person Signing
SignatureSeptember 28, 2006
Date

Customer No.: 4955

Total number of pages including cover sheet(s): 9

10/05/2006 Page 1 of 1 00000054 11499847

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40.00 00

ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, We, Anna-Mari VIMPARI, Esa MALKAMÄKI, Jukka NAUHA and Karri RANTA-AHO citizens of Finland, and residing at Kummelitie 9, 90520 Oulu, Finland, Riippakoivuntie 17 B, 02130 Espoo, Finland, Kenttatie 16 B 24, 90100 Oulu, Finland and Hakkukuja 1 C 40, 02650 Espoo, Finland, respectively, hereby sell, assign and transfer to **NOKIA CORPORATION**, a corporation duly organized and existing under the laws of Finland, and having a principal place of business at Keilalahdentie 4, FIN-02150 Espoo, Finland, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to improvements in a **PREAMBLE LENGTH FOR DISCONTINUOUS CONTROL CHANNEL TRANSMISSION**, which is described in a provisional application for Letters Patent of the United States, Serial No. 11/499,847 filed August 4, 2006, claiming priority from U.S. Provisional #60/705,831 filed August 5, 2005; and all the rights and privileges under any and all Letters Patent that may be granted therefor.

We request that any and all patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by: (a) the International Convention for the Protection of Industrial property, as amended, or by convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it; and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by: (a) the International Convention for the protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it.

We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at Oulu, Finland this 14th day of September, in the year 2006.

Anna-Mari Vimpi
Anna-Mari Vimpari

Esa Malkamäki

Jukka Nauha

Karri Ranta-aho

ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, We, Anna-Mari VIMPARI, Esa MALKAMÄKI, Jukka NAUHA and Karri RANTA-AHO citizens of Finland, and residing at Kummelitie 9, 90520 Oulu, Finland, Riippakoivuntie 17 B, 02130 Espoo, Finland, Kenttatie 16 B 24, 90100 Oulu, Finland and Hakkukuja 1 C 40, 02650 Espoo, Finland, respectively, hereby sell, assign and transfer to **NOKIA CORPORATION**, a corporation duly organized and existing under the laws of Finland, and having a principal place of business at Keilalahdentie 4, FIN-02150 Espoo, Finland, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to improvements in a **PREAMBLE LENGTH FOR DISCONTINUOUS CONTROL CHANNEL TRANSMISSION**, which is described in a provisional application for Letters Patent of the United States, Serial No. 11/499,847 filed August 4, 2006, claiming priority from U.S. Provisional #60/705,831 filed August 5, 2005; and all the rights and privileges under any and all Letters Patent that may be granted therefor.

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We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at Helsinki this 20 day of September, in the year 2006.

Anna-Mari Vimpari

Esa Malkamäki
Esa Malkamäki

Jukka Nauha

Karri Ranta-aho

ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, We, Anna-Mari VIMPARI, Esa

MALKAMÄKI, Jukka NAUHA and Karri RANTA-AHO citizens of Finland, and
residing at Kummelitie 9, 90520 Oulu, Finland, Riippakoiivuntie 17 B, 02130 Espoo,
Finland, ~~Kennatie 16 B 24, 90100 Oulu, Finland~~ and Hakkukuja 1 C 40, 02650

14. 9. 2006
Jukka Nauha

Esopo, Finland, respectively, hereby sell, assign and transfer to **NOKIA**

CORPORATION, a corporation duly organized and existing under the laws of
Finland, and having a principal place of business at Keilalahdentie 4, FIN-02150
Esopo, Finland, as assignee, and its successors, assigns and legal representatives, the
entire right, title and interest, for all countries in and to certain inventions relating to
improvements in a **PREAMBLE LENGTH FOR DISCONTINUOUS CONTROL**
CHANNEL TRANSMISSION, which is described in a provisional application for
Letters Patent of the United States, Serial No. 11/499,847 filed August 4, 2006,
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inventions in any and all countries and for vesting title thereto in said assignee, its
successors, assigns and legal representatives or nominees.

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representatives or nominees, to invoke and claim for any application for patent or
other form of protection for said inventions filed by it or them, the benefit of the right
of priority provided by: (a) the International Convention for the Protection of
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substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty
which may henceforth be substituted for it; and to invoke and claim such right of
priority without further written or oral authorization from us.

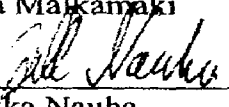
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We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at OULU this 14th day of SEPTEMBER , in the year 2006.

Anna-Mari Vimpari

Esa Malkamäki



Jukka Nauha

Karri Ranta-aho

ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, We, Anna-Mari VIMPARI, Esa MALKAMÄKI, Jukka NAUHA and Karri RANTA-AHO citizens of Finland, and residing at Kummelitie 9, 90520 Oulu, Finland, Riippakoivuntie 17 B, 02130 Espoo, Finland, Kenttatie 16 B 24, 90100 Oulu, Finland and Hakkukuja 1 C 40, 02650 Espoo, Finland, respectively, hereby sell, assign and transfer to **NOKIA CORPORATION**, a corporation duly organized and existing under the laws of Finland, and having a principal place of business at Keilalahdentie 4, FIN-02150 Espoo, Finland, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to improvements in a **PREAMBLE LENGTH FOR DISCONTINUOUS CONTROL CHANNEL TRANSMISSION**, which is described in a provisional application for Letters Patent of the United States, Serial No. 11/499,847 filed August 4, 2006, claiming priority from U.S. Provisional #60/705,831 filed August 5, 2005; and all the rights and privileges under any and all Letters Patent that may be granted therefor.

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We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at Espoo this 12th day of September, in the year 2006.

Anna-Mari Vimpari

Esa Malkamäki

Jukka Nauha

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Karri Ranta-aho