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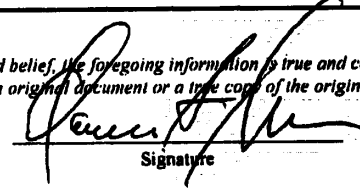


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5. Name and address of party to whom correspondence concerning document should be mailed: Name: Clarence A. Green Address: Perman & Green, LLP 425 Post Road City: Fairfield State: CT ZIP Code: 06430-6232		6. Total number of applications and/or patents involved: 1 7. Total fee (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Charge deposit account <input checked="" type="checkbox"/> Please charge any fee deficiency to deposit account	
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9. Statement And Signature: <p style="text-align: center;"><i>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.</i></p> <div style="display: flex; justify-content: space-between;"> <div> <p>(Witness)</p> <p>Clarence A. Green Name of Person Signing</p> </div> <div style="text-align: center;">  Signature </div> <div style="text-align: right;"> <p>30 July 99 Date</p> </div> </div> <p style="text-align: right;">Total number of pages including cover sheet(s): 4 Page 1 of 1.</p>			

Express Mail No.: EL336225794US

PATENT REEL: 010297 FRAME: 0384

Attorney's Docket No. _____

PATENT

For: U.S. and/or Foreign Rights
For: U.S. Application or
 U.S. Provisional Application
For: U.S. Patent
For: PCT Application
By: Inventor(s) or Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:

Inventor(s) or person(s) or entity(ies) who own the invention

Olli Piirainen
(type or print name(s) of ASSIGNOR(S))
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Finland
Nationality Finnish

(if assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO, add the following)

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hereby sells, assigns and transfers to

ASSIGNEE:

Nokia Telecommunications Oy
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Upseerinkatu 1, FIN-02601 ESPOO
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Finland
Finnish
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and the successors, assigns and legal representatives of the ASSIGNEE

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(complete one of the following)

- the entire right, title and interest
 an undivided _____ percent (_____ %) interest
for the United States and its territorial possessions

(check the following box, if foreign rights are also to be assigned)

- and in all foreign countries, including all rights to claim priority,
in and to any and all improvements which are disclosed in the invention entitled:
Compensation of Doppler Shift in a Mobile Communication System

Name of inventor(s) Olli Piirainen

(check and complete (a), (b), (c), (d), (e), (f) or (g))

and which is found in

- (a) U.S. patent application executed on even date herewith
(b) U.S. patent application executed on _____
(c) U.S. provisional application naming the above inventor(s) for the above-entitled invention.
 Express mail label no.: _____
Mailed: _____
 To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known.

(d) U.S. application no. _____ / _____
filed on _____

(e) International application no. PCT/ EP97 / 00488

(f) U.S. patent no. _____ issued _____

- A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.

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- (g) and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

(Assignment of Invention [16-3]—page 2 of 3)

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ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/We have hereunto set hand and seal this _____ day
of 22.5.1999
Date of signing

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Date:



Signature of ASSIGNOR(S)

Date:

Date:

Date:

(If ASSIGNOR is a legal entity, complete the following information)

(Type or print the name of the above person
authorized to sign on behalf of ASSIGNOR)

Title

NOTE: No witnessing, notarization or legalization is necessary. If the assignment is notarized or legalized, then it will only be prima facie evidence of execution. 35 USC 261. Use next page if notarization is desired.

Notarization or Legalization Page Added.

(Assignment of Invention [16-3]—page 3 of 3)

RECORDED: 07/30/1999

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