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Jarkko ITKONEN

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Nokia Telecommunications Oy
Keilalahdentie 4
FIN-02150
Espoo
Finland

Additional name(s) of conveying party(ies) attached? Yes No

Additional name(s) & address(es) attached? Yes No

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Execution Date: 8 March 1999

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

09/319349

If this document is being filed together with a new application, the execution date of the application is: 8 March 1999

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: Michael B. Lasky
Address: Merchant, Gould, Smith, Edell,
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3100 Norwest Center
90 South Seventh Street
Minneapolis, Minnesota 55402-4131

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40 E
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PATENT
REEL: 010076 FRAME: 0985

ASSIGNMENT

WHEREAS, Jarkko Itkonen
Yläkaupinkuja 1 C 16
FIN-02360 Espoo
Finland

has invented certain new and useful improvements in Synchronization Reception method and receiver
comprising multiplication means, transform and comparison means

for which I am about to make application for Letters
(I/we have made—or am/are about to make)

Patent of the United States of America;

AND WHEREAS, NOKIA TELECOMMUNICATIONS OY
Keilalahdentie 4
FIN-02150 Espoo, Finland

desirous of acquiring an interest therein and in the Letters Patent to be obtained therefor from the
United States;

NOW THEREFORE, be it known by all whom it may concern, that for and in consideration of
One Dollars (\$ 1,-)

to me in hand paid, the receipt of which is hereby acknowledged I

have assigned, sold, and set over, and by these presents do hereby assign, sell, and set over unto the said
NOKIA TELECOMMUNICATIONS OY

* my entire right, title, and interest in and to the said invention,
as fully set forth and described in the:

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inapplicable
wording

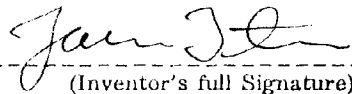
(a) specification prepared and executed by _____ on the _____ day of _____, 19____,

(b) application filed on the 12th day of December, 19 97, Serial No. PCT/FI97/00784,

preparatory to obtaining Letters Patent therefor; said invention, application and Letters Patent to be
held and enjoyed by the said NOKIA TELECOMMUNICATIONS OY

for their own use and behoof, and for their legal representatives, to the full end of the term
for which said Letters Patent are granted, as fully and entirely as the same would have been held by
me had this assignment and sale not been made.

IN TESTIMONY WHEREOF, _____ hereunto set _____ hand _____ and affix _____ seal _____ at
Espoo, Finland this 8th day of March, A.D. 19 99


(Inventor's full Signature)

* State whether the full and exclusive right, or what part of the whole interest is assigned.