D4-22-2002  U.S. Department of Commerce  Patent and Trademark Office  102062154  2. Name and address of receiving party(ies):  Nokia Networks Oy  Keilalahdentie 4  FIN-02150 Espoo					
102062154					
Name and address of receiving party(ies):     Nokia Networks Oy     Keilalahdentie 4					
Nokia Networks Oy Keilalahdentie 4					
Keilalahdentie 4					
FINLAND					
Additional name(s) & addresses attached?					
Additional name(s) & addresses attached?  Yes  No —					
me Signature of the state of th					
2					
ew application, the execution date of the application is:					
Patent Number(s)					
numbers attached? ☐ Yes ☒ No					
6. Total number of applications and patents involved: 1 7. Total fee (37 C.F.R. §3.41) \$40.00  Enclosed – Any excess or insufficiency should be credited or debited to deposit account  Authorized to charged to deposit account  Deposit Account number: 50-1038					
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regoing information is true and correct and any attached copy is a true  Signature  Total number of pages including cover sheet, attachments, and document: 7  The undersigned hereby certifies that this Transmittal Letter and the posited in the United States Postal Service, as first class mail, with seed to: Assistant Commissioner for Patents, Washington, D.C.					
n 1.7 c					

PATENT REEL: 012799 FRAME: 0463 Form PTO 1595



Altera Docket No. 975.344-US-W1

U.S. Department of Commerce

		Patent and Trademark Office
To the Honorable Co	ommissioner of Patents and Trademarks: Please record	the attached original documents or copy thereof
	nveying party(ies)	Name and address of receiving party(ies):
Matti Kiiski		Nokia Networks Oy
Eero Heikkir	nen	Keilalahdentie 4
	17.1.41	FIN-02150 Espoo
	12-6-01	FINLAND
Additional names(s) 3. Nature of co	of conveying party(ies)	Additional name(s) & addresses attached?   Yes   No
<ul><li>✓ Assignment</li><li>✓ Security Agr</li><li>✓ Other</li></ul>	☐ Merger eement ☐ Change of Name	
Execution Date:	July 3, 2001, July 4, 2001	
4. Application r	number(s) or patent number(s)	
If this docum	nent is being filed together with a new applica	ation, the execution date of the application is:
A. Patent Appli 09/888660	cation Number(s)	Patent Number(s)
Name Address:	Michael B. Lasky Altera Law Group 6500 City West Parkway – Suite 100 Minneapolis, Minnesota 55344-7701	<ul> <li>7. Total fee (37 C.F.R. §3.41) \$40.00</li> <li>☑ Enclosed – Any excess or insufficiency should be credited or debited to deposit account</li> <li>☑ Authorized to charged to deposit account</li> <li>8. Deposit Account number: 50-1038</li> </ul>
7/2001 AAHNED1 O	0000007 09888660	THIC CDACE
C:561	40100 01	THIS SPACE
To the best	Lasky Sic	formation is true and correct and any attached copy is a true  October 15, 2001 Date
Name or ross		Total number of pages including cover sheet, attachments, and document:
	CERTIFICATE UNDER 37 C.F.R. 1.8: The undersign paper, as described herein, are being deposited in the sufficient postage, in an envelope addressed to: Ass 20231 on October 15, 2001  Michael B. Lasky	ned hereby certifies that this Transmittal Letter and the e United States Fostal Service, as first class mail, with istant Commissioner for Patents, Washington, D.C.

PATENT REEL: 012799 FRAME: 0464

Altera Ref. No.: 975,344USW1

## PATENT ASSIGNMENT TO CORPORATION WORLDWIDE

## WHEREAS.

- 1. Matti Kiiski residing at Mustalinnuntie 21, FIN-90460 Oulunsalo, Finland and a citizen of Finland:
- 2. Eero Heikkinen residing at Urpiaisentie 41, FIN-90570 Oulu, Finland and a citizen of Finland;

nereafter referred to as "THE UNDERSIGNED", have made an invention entitled PACKET TRANSMISSION METHOD AND APPARATUS

AND, WHEREAS, Nokia Networks Oy, hereafter referred to as ASSIGNEE, a corporation organized under the laws of Finland and whose place of business and business address is Keilalahdentie 4, FIN-02150 Espoo, Finland, is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE in consideration of the sum of One Dollar, the receipt whereof is acknowledged, and other good and valuable consideration, THE UNDERSIGNED hereby sell, assign and transfer unto ASSIGNEE the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to all divisionals, continuations, continuations in part, reissues, reexaminations or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extension of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said invention including an assignment of all rights under the provision of international conventions and all Letters Patent of foreign countries which may be granted therefrom; the UNDERSIGNED hereby authorize the Commissioner of Patents to issue any and all United States Letters Patent for the aforesaid invention to ASSIGNEE of the entire right, title and interest in and to the same, for the use of the ASSIGNEE, its successors and assigns.

THE UNDERSIGNED, hereby agree that THE UNDERSIGNED, their executors and legal representatives will make, execute and deliver (without charge but at the expense of the ASSIGNEE) any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said ASSIGNEE, its successors and representatives all facts Known to THE UNDERSIGNED relating to said invention and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable to vest the ASSIGNEE, its successors or assigns the entire right, title and interest in and to the said invention, applications, Letters Patent, rights, titles and benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

THE UNDERSIGNED represent and agree with said Assignee its successors and assignees, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

4 July 200 L

Matti Kiiski

Pate

Date

Date

No Legalization Required

PATENT REEL: 012799 FRAME: 0465

Altera Ref. No.: 975.344USW1

## PATENT ASSIGNMENT TO CORPORATION WORLDWIDE

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THE UNDERSIGNED represent and agree with said Assignee Its successors and assignees, that no assignment grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by THE UNDERSIGNED, and that full right to convey the same as herein expressed is possessed by THE UNDERSIGNED.

IN TESTIMONY WHEREOF, THE UNDERSIGNED have hereunto set their hand on the dates indicated below.

Matti Kiiski	Date	
Euro Hell	3.7.2001	
Fero Heikkinen	Date	

No Legalization Required

PATENT
RECORDED: 04/02/2002 REEL: 012799 FRAME: 0466