:				Altera Docket No	. 602.340USW1	
Form PTO 1595		08-16-	2002	U.S. Department of	Commerce	
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To the Honorable	Commissioner of Patents and T	102193	3205	cuments or copy thereof	, , , , , , , , , , , , , , , , , , ,	
Name of donveying party(ies)     2.				ne and address of receiving party(ies):		
Heimo PE	NTIKÄINEN 8 //	13.02	Nokia Netwo P.O. Box 30 FIN-00045 N FINLAND	0		
Additional names(s) of conveying party(ies) ☐ Yes ☒ No  3. Nature of conveyance:			Additional name(s) & addresses attached?  Yes  No			
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4. Application number(s) or patent number(s)						
4. Application number(s) or patent number(s)  If this document is being filed together with a new application, the execution date of the application 2						
A. Patent App 09/796,17	plication Number(s)		Patent Numbe	er(s)		
Additional numbers attached? ☐ Yes ☒ No						
5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: 1						
concerning document should be mailed:			7. Total fee (37 C.F.R. §3.41) \$40.00  Enclosed – Any excess or insufficiency should be			
Name	Michael B. Lasky			<ul> <li>Any excess or insuπicies</li> <li>or debited to deposit accou</li> </ul>		
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Michael B. Lasky 8 August 2002						
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	CERTIFICATE UNDER 37 ©.F. paper, as described herein, are sufficient postage, in an envelop 20231 on 8 August 2002  Michael B. Lasky	being deposited in the U	Jnited States Postal Se ant Commissioner for P	ervice, as first class mail, with detection of the state		
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PATENT REEL: 013186 FRAME: 0114

## PATENT ASSIGNMENT TO CORPORATION WORLDWIDE

WHEREAS.

Oulu,

1. Heimo PENTIKÄINEN residing at Kurjenpolku 1 J 7, FIN-90580 Finland and a citizen of Finland:

hereafter referred to as "THE UNDERSIGNED", have made an invention entitled METHOD AND SYSTEM FOR TRACING A SUBSCRIPTION

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 P.O.Box 300, FIN-00045 Nokia Group, is desirous of acquiring the entire right, title and interest in the same;

Finland,

NOW, THEREFOR, 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.

Heimo Pentikäinen

Date

No Legalization Required