		Altera Docket No. 796.353USW1
Form PTO 1595	Recor	10-12-2000 S. Department of Commerce
	P	atent and Trademark Office
To the Honorable	Commissioner of Patents and Trademarks: I	
	onveying party(ies)	101485499 opy thereof 2. Name and address or receiving party(ies):
Pekka Rar Juha Ylitak	The state of the s	Nokia Networks OY Keilalahdentie 4 FIN-02150 Espoo Finland
	s) of conveying party(ies) ☐ Yes ☒ No	Additional name(s) & addresses attached? Yes No
3. Nature of c	conveyance:	
Assignment Security Ag	greement Change of Name	
	=: 22 June 2000,	
	n number(s) or patent number(s)	
If this docu	ment is being filed together with a new applic	ation, the execution date of the application is:
A. Patent App 09/588954	olication Number(s)	Patent Number(s)
	Additional numbers a	tached? 🔲 Yes 🛭 No
	address of party to whom correspondence cument should be mailed: Michael B. Lasky Altera Law Group	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
	10749 Bren Road East, Opus 2 Minneapolis, Minnesota 55343-9056	8. Deposit Account number: 50-1038
	DO NOT US	E THIS SPACE
9. Statement	and Signature:	
copy of the 11/2000 MTHAII FC:581 Michael B	e original document. 00000239 09588954 . Lasky 40.00 DP	September 21, 2000
Name of Perso	on Signing Y Sig	Total number of pages including cover sheet, attachments, and document: 3
	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: Assi 20231 on September 21, 2000 Michael B. Lasky	ed hereby dartifies that this Transmittal Letter and the United States Postal Service, as first class mail, with stant Commissioner for Patents, Washington, D.C.

PATENT REEL: 011140 FRAME: 0392

Altera Ref. No.: 796.353USW1

PATENT ASSIGNMENT TO CORPORATION WORLDWIDE

WHEREAS,

No Legalization Required

1. Pekka Ranta residing at Tiesmaenpolku 4, FIN-03100 Nummela, Finland and a citizen of Finland;

2. Juha Ylitalo residing at Alangontie 9A, FIN-90540 Oulu, Finland and a citizen of Finland;

3. residing at and a citizen of 4. residing at and a citizen of

hereafter referred to as "THE UNDERSIGNED", have made an invention entitled UPGRADING OF RESOURCES IN A TELECOMMUNICATIONS NETWORK

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, 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 UNDERSIGNATION POLICE	NED have hereunto set their hand on the dates indicate $22/6/2$	∌d
Pekka Ranta	Date	
Juha Ylitalo	Date	
	Date	
	Date	

PATENT REEL: 011140 FRAME: 0393

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

Pekka Ranta	Date
Julie Yritale	22,6,2000
Juha Ylitalo	Date
	Date
	Date
No Legalization Required	•

PATENT RECORDED: 09/25/2000 REEL: 011140 FRAME: 0394