JAN 1-2 2004

Form PTO-1595
RECORDATION FORM COURT SHEET PATENTS ONLY

01-20-2004



102649580

MAILSTOP ASSIGNMENT \-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Date: January 12, 2004
To the Commissione Please record the attached original	
Name of conveying party(ies) Olli PIIRAINEN Additional name(s) of conveying party(ies) attached? ☐ Yes ☑ No	Name and address of receiving party(ies): Name: Nokia Corporation Address: Keilalahdentie 4 FIN-02150 Espoo, Finland
3. Nature of conveyance: Assignment	Additional name(s) & address(es) attached? ☐ Yes ☑ No
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the exect A. Patent Application No.(s) 10/731,427 Additional numbers attached?	B. Patent No.(s)
Name and address of party to whom correspondence concerning document should be mailed:	Total number of applications and patents involved: One
Name: Squire Sanders & Dempsey L.L.P. Street Address: 8000 Towers Crescent Drive, 14 th Floor Tysons Corner, Virginia 22182-2700	7. Total fee (37 CFR 3.41) \$ 40.00 Included in attached Check No. 010948. Any additional fees are authorized to be charged to deposit account
4/2004 HALI11 00000007 10731427 C:8021 40.00 DP	Counsel's Deposit account number: 50-2222 (Attach duplicate copy of this page if paying by deposit account)
Reg. No. 33,125	

PATENT REEL: 014884 FRAME: 0799

U.S. ASSIGNMENT

SIGNEE's	NOKIA CORPORATION			
ne(s)	Keilalahdentie 4			
iress(es)]	FIN-02150 Espoo			
	Finland			
	(hereinafter ASSIGNEE), the received ASSIGNOR hereby sells, assigns interest to the invention entitled	ipt and sufficiency of which is hereby acl and transfers to ASSIGNEE the entire a	mowledged, the undersigned and exclusive right, title and	
le of	SYNCHRONIZATION OF A MI	JLTI-MODE BASE STATION USING A	COMMON	
ention]	SYSTEM CLOCK	Part Mode Bridge Strate of the Country of the Count	COMMON	
f the assignment eing filed er the filing of the	for which application for Letters F otherwise indicated below:	Patent of the United States was executed of	on even date herewith unless	
dication, this tion must be	*filed on <u>Decemb</u>	er 10, 2003 , Serial No. 10)/731,427	
mpleted]	(Squire, Sanders & Dempsey L.L.P. is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)			
	and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted. The ASSIGNOR agrees to execute all papers necessary in connection with application and any continuing, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.			
	The ASSIGNOR agrees litigation, or other legal proceed continuation, division, reissue or read to cooperate with the ASSIG	ch applications as the ASSIGNEE may de to execute all papers necessary in connecting which may be declared concernic examination thereof or Letters Patent or NEE in every way possible in obtaining litigation, or other legal proceeding.	em necessary or expedient. ection with any interference, ng this application or any reissue patent issued thereon	
	The ASSIGNOR agrees litigation, or other legal proceed continuation, division, reissue or reand to cooperate with the ASSIGI proceeding with such interference,	ch applications as the ASSIGNEE may de to execute all papers necessary in conne ding which may be declared concerni examination thereof or Letters Patent or NEE in every way possible in obtaining	em necessary or expedient. ection with any interference, ng this application or any reissue patent issued thereon and producing evidence and is/her/their signature(s).	
	The ASSIGNOR agrees litigation, or other legal proceed continuation, division, reissue or reand to cooperate with the ASSIGI proceeding with such interference, IN WITNESS WHEREOF, the uncounterprocess.	to execute all papers necessary in connecting which may be declared concernice examination thereof or Letters Patent or NEE in every way possible in obtaining litigation, or other legal proceeding. Clip PIIRAINEN	em necessary or expedient. ection with any interference, ng this application or any reissue patent issued thereon and producing evidence and is/her/their signature(s).	
	The ASSIGNOR agrees litigation, or other legal proceed continuation, division, reissue or reand to cooperate with the ASSIGI proceeding with such interference,	ch applications as the ASSIGNEE may de to execute all papers necessary in connecting which may be declared concerni- eexamination thereof or Letters Patent or NEE in every way possible in obtaining litigation, or other legal proceeding. dersigned inventor(s) has (have) affixed his	em necessary or expedient. ection with any interference, ng this application or any reissue patent issued thereon and producing evidence and is/her/their signature(s).	
gnature(s) Assignor(s)]	The ASSIGNOR agrees litigation, or other legal proceed continuation, division, reissue or reand to cooperate with the ASSIGI proceeding with such interference, IN WITNESS WHEREOF, the uncounterprocess.	to execute all papers necessary in connecting which may be declared concernice examination thereof or Letters Patent or NEE in every way possible in obtaining litigation, or other legal proceeding. Clip PIIRAINEN	em necessary or expedient. ection with any interference, ng this application or any reissue patent issued thereon and producing evidence and is/her/their signature(s).	
	The ASSIGNOR agrees litigation, or other legal proceed continuation, division, reissue or reand to cooperate with the ASSIGI proceeding with such interference, IN WITNESS WHEREOF, the uncounterprocess.	to execute all papers necessary in connecting which may be declared concernice examination thereof or Letters Patent or NEE in every way possible in obtaining litigation, or other legal proceeding. Clip PIIRAINEN	em necessary or expedient. ection with any interference, ng this application or any reissue patent issued thereon and producing evidence and is/her/their signature(s).	
	The ASSIGNOR agrees litigation, or other legal proceed continuation, division, reissue or reand to cooperate with the ASSIGN proceeding with such interference, IN WITNESS WHEREOF, the uncompared to the cooperate with the ASSIGN proceeding with such interference, IN WITNESS WHEREOF, the uncompared to the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the account of the cooperate with the cooperate with the ASSIGN proceeding with the cooperate w	to execute all papers necessary in connecting which may be declared concernic examination thereof or Letters Patent or NEE in every way possible in obtaining litigation, or other legal proceeding. Olli PIIRAINEN (TYPE NAME)	em necessary or expedient. ection with any interference, ng this application or any reissue patent issued thereon and producing evidence and is/her/their signature(s). /5.12_2003 (DATE)	
	The ASSIGNOR agrees litigation, or other legal proceed continuation, division, reissue or reand to cooperate with the ASSIGN proceeding with such interference, IN WITNESS WHEREOF, the uncompared to the cooperate with the ASSIGNATURE)	ch applications as the ASSIGNEE may de to execute all papers necessary in connecting which may be declared concernice examination thereof or Letters Patent or NEE in every way possible in obtaining litigation, or other legal proceeding. dersigned inventor(s) has (have) affixed his Olli PHRAINEN (TYPE NAME) (TYPE NAME)	em necessary or expedient. ection with any interference, ng this application or any reissue patent issued thereon and producing evidence and is/her/their signature(s). /5.12.2003 (DATE)	
	The ASSIGNOR agrees litigation, or other legal proceed continuation, division, reissue or reand to cooperate with the ASSIGN proceeding with such interference, IN WITNESS WHEREOF, the uncompared to the cooperate with the ASSIGN proceeding with such interference, IN WITNESS WHEREOF, the uncompared to the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the ASSIGN proceeding with such interference, and the cooperate with the account of the cooperate with the cooperate with the ASSIGN proceeding with the cooperate w	to execute all papers necessary in connecting which may be declared concernic examination thereof or Letters Patent or NEE in every way possible in obtaining litigation, or other legal proceeding. Olli PIIRAINEN (TYPE NAME)	em necessary or expedient. ection with any interference, ng this application or any reissue patent issued thereon and producing evidence and is/her/their signature(s). /5.12_2003 (DATE)	
	The ASSIGNOR agrees litigation, or other legal proceed continuation, division, reissue or reand to cooperate with the ASSIGN proceeding with such interference, IN WITNESS WHEREOF, the uncompared to the cooperate with the ASSIGNATURE) (SIGNATURE)	ch applications as the ASSIGNEE may de to execute all papers necessary in connecting which may be declared concernice examination thereof or Letters Patent or NEE in every way possible in obtaining litigation, or other legal proceeding. Olli PHRAINEN (TYPE NAME) CTYPE NAME	em necessary or expedient. ection with any interference, ng this application or any reissue patent issued thereon and producing evidence and is/her/their signature(s). /5.12_2003 (DATE) (DATE)	
	The ASSIGNOR agrees litigation, or other legal proceed continuation, division, reissue or reand to cooperate with the ASSIGN proceeding with such interference, IN WITNESS WHEREOF, the uncompared to the cooperate with the ASSIGNATURE)	ch applications as the ASSIGNEE may de to execute all papers necessary in connecting which may be declared concernice examination thereof or Letters Patent or NEE in every way possible in obtaining litigation, or other legal proceeding. dersigned inventor(s) has (have) affixed his Olli PHRAINEN (TYPE NAME) (TYPE NAME)	em necessary or expedient. ection with any interference, ng this application or any reissue patent issued thereon and producing evidence and is/her/their signature(s). /5.12.2003 (DATE)	
	The ASSIGNOR agrees litigation, or other legal proceed continuation, division, reissue or reand to cooperate with the ASSIGN proceeding with such interference, IN WITNESS WHEREOF, the uncompared to the cooperate with the ASSIGNATURE) (SIGNATURE)	ch applications as the ASSIGNEE may de to execute all papers necessary in connecting which may be declared concernice examination thereof or Letters Patent or NEE in every way possible in obtaining litigation, or other legal proceeding. Olli PHRAINEN (TYPE NAME) CTYPE NAME	em necessary or expedient. ection with any interference, ng this application or any reissue patent issued thereon and producing evidence and is/her/their signature(s). /5.12_2003 (DATE) (DATE)	
	The ASSIGNOR agrees litigation, or other legal proceed continuation, division, reissue or reand to cooperate with the ASSIGN proceeding with such interference, IN WITNESS WHEREOF, the uncompared to the cooperate with the ASSIGNATURE) (SIGNATURE)	ch applications as the ASSIGNEE may de to execute all papers necessary in connecting which may be declared concernice examination thereof or Letters Patent or NEE in every way possible in obtaining litigation, or other legal proceeding. Olli PHRAINEN (TYPE NAME) CTYPE NAME	em necessary or expedient. ection with any interference, ng this application or any reissue patent issued thereon and producing evidence and is/her/their signature(s). /5.12_2003 (DATE) (DATE)	

RECORDED: 01/12/2004

PATENT REEL: 014884 FRAME: 0800