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| BOX ASSIGNMENT MAR 0 6 2003 4 1023   | 88134   |  |
| To the Commissioner of Patents Please record the attached original documents or copy thereof   |   |  |
| 1. Name of conveying party(ies) 3.6.63   | Name and address of receiving party(ies):   |  |
| Aki GRÖHN  | Name: Nokia Corporation   |  |
| Additional name(s) of conveying party(ies) attached?   | Address: Keilalahdentie 4   |  |
| ☐ Yes  | FIN-02150 Espoo, Finland  |  |
|  | Additional name(s) & address(es) attached?  |  |
| Nature of conveyance:  | ☐ Yes   |  |
| <ul><li>☐ Assignment</li><li>☐ Merger</li><li>☐ Security Agreement</li><li>☐ Change of Name</li><li>☐ Other</li></ul>  |   |  |
| Execution Date: January 21, 2003   |   |  |
| Application number(s) or patent number(s):     If this document is being filed together with a new application, the execution date of the application is:  |   |  |
| A. Patent Application No.(s)<br>10/305,405   | B. Patent No.(s)  |  |
|  |   |  |
| Additional numbers attached?   | ∕es ⊠ No  |  |
|  |   |  |
| Name and address of party to whom correspondence concerning document should be mailed:   | Total number of applications and patents involved:     One  |  |
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| document should be mailed:   | One   |  |
| document should be mailed:  Name: Squire Sanders & Dempsey L.L.P.  Street Address: 8000 Towers Crescent Drive, 14 <sup>th</sup> Floor  Tysons Corner, Virginia 22182-2700  | One 7. Total fee (37 CFR 3.41)\$ 40.00  ☑ Included in attached Check No. 002143.  ☑ Any additional fees are authorized to be charged to   |  |
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PATENT REEL: 013829 FRAME: 0011

| Docket No. |  |
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| Docket No. |  |

## U.S. ASSIGNMENT

For good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by NOKIA CORPORATION [Insert ASSIGNEE's Keilalahdentie 4 Name(s) FIN-02150 Espoo Address(es)] Finland (hereinafter ASSIGNEE), the receipt and sufficiency of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled [Title of Distribution of a synchronization signal in an optical communication system Invention] for which application for Letters Patent of the United States was executed on even date herewith unless [\*If the assignment otherwise indicated below: is being filed after the filing of the application, this \*filed on 27 November 2002 , Serial No. 10/305,405 section must be completed] (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 to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, division, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding. IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s). Aki Gröhn [Signature(s) of Assignor(s)] (TYPE NAME) (SIGNATURE) (TYPE NAME) (DATE) (SIGNATURE) (TYPE NAME) (DATE) (SIGNATURE) (TYPE NAME) (DATE) (SIGNATURE)

NO LEGALIZATION REQUIRED

RECORDED: 03/06/2003

(SIGNATURE)

PATENT REEL: 013829 FRAME: 0012

(DATE)

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