



01-27-2003



102347627

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Antti Manninen, Frank Frederiksen</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>2. Name and address of receiving party(ies): NOKIA CORPORATION Keilalahdentie 4 FIN-02150 ESPOO FINLAND</p>
<p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: December 17, 2002 and December 13, 2002</p>	<p>Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>

1-21-03

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 is: _____

A. Patent Application No.(s)

B. Patent No.(s)

10/281,290

Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>James A. Retter Ware Fressola, Van Der Sluys & Adolphson LLP Bradford Green, Building 5 755 Main Street P.O. Box 224 Monroe, CT 06468-0224</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 CFR 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: <u>23-0442</u> (Attach duplicate copy of this page if paying by deposit account.)</p>
--	---

01/23/2003 MBIZUMES 00000106 10281290

01 FC:8021

40.00 OP

Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attachment copy is a true copy of the original document.

James A. Retter

Name of Person Signing

Signature

1 / 14 / 2003
Date

Total number of pages including cover sheet, attachments, and document: 4

Docket No. 944-003.124-1
Serial No. 10/281,290

ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, We, ANTTI MANNINEN and FRANK FREDERIKSEN, citizens of Finland and Denmark, respectively, and residing at Keijukaistenpolku 6 A 22, 00820 Helsinki, FINLAND and Hornbackvej 4, 9270 Klarup, DENMARK, respectively, hereby sell, assign and transfer to **NOKIA CORPORATION**, a corporation duly organized and existing under the laws of Finland, and having a principal place of business at Keilalahdentie 4, FIN-02150 Espoo, Finland, as assignee, and its successors, assigns and legal representatives, the entire right, title and interest, for all countries in and to certain inventions relating to improvements in a **PARTIALLY FILLING BLOCK INTERLEAVER FOR A COMMUNICATION SYSTEM**, which is described in an application for Letters Patent of the United States, Serial No. 10/281,290 filed October 25, 2002; and all the rights and privileges under any and all Letters Patent that may be granted therefor.

We request that any and all patents for said inventions be issued to said assignee, its successors, assigns and legal representatives, or to such nominees as it may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said inventions in any and all countries and for vesting title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We authorize and empower the said assignee, its successors, assigns and legal representatives or nominees, to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right of priority provided by: (a) the International Convention for the Protection of Industrial property, as amended, or by convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it; and to invoke and claim such right of priority without further written or oral authorization from us.

We hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may

Docket No. 944-003.124-1
Serial No. 10/281,290

be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by: (a) the International Convention for the protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it.

We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at Helvinki this 17th day of December, in the year 2002.



Antti Manninen

Frank Frederiksen

Signed in our presence and acknowledged to be an assignment of the application (invention) herein above referred to.

Witness Jarmo Järvinen Date 17 December 2002

Witness Juho Järvinen Date 17 December 2002

be required in any country for any purpose and more particularly in proof of the right of the said assignee or nominee to claim the aforesaid benefit of the right of priority provided by: (a) the International Convention for the protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it; and (b) the Patent Cooperation Treaty, as amended, or by any treaty which may henceforth be substituted for it.

We covenant with said assignee, its successors and assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at Aalborg this 13th day of December, in the year 2002.

Antti Manninen

Frank Fh

Frank Frederiksen

Signed in our presence and acknowledged to be an assignment of the application (invention) herein above referred to.

Witness [Signature] Date 13-12-2002

Witness [Signature] Date 13-12-2002