

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Woonhee Hwang	06/17/2003
RECEIVING PARTY DATA	
Name:	Nokia Corporation
Street Address:	Keilalahdentie 4
City:	Espoo
State/Country:	FINLAND
Postal Code:	02150
PROPERTY NUMBERS Total: 2	
Property Type	Number
Patent Number:	7907570
Patent Number:	7876727
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NAME OF SUBMITTER:	Thomas J. Arria
Total Attachments: 3 source=35743-assign#page1.tif source=35743-assign#page2.tif source=35743-assign#page3.tif	

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ASSIGNMENT AND AGREEMENT

FOR VALUE RECEIVED, I, WOONHEE HWANG, a citizen of the Republic of Korea and residing at ~~Tailbergin puistotie 1 C~~ ^{Juhannintie 6A,} ~~25, FIN-00200 Helsinki,~~ ^{FIN-02180 Espoo} Finland, 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 HSDPA CQI, ACK, NACK POWER OFFSET KNOWN IN NODE B AND IN SRNC, which is described in an application for Letters Patent of the United States, Serial No. 10/434,413, filed May 8, 2003, and claiming priority under 35 USC 119 from U.S. Provisional Patent Application S/N 60/379,917, filed May 9, 2002; and all the rights and privileges under any and all Letters Patent that may be granted therefor.

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

I agree that, when requested, I 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.

I 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 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; and to invoke and claim such right of priority without further written or oral authorization from me.

I 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 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.

I 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 I have full right to convey the same as herein expressed.

Signed at Espoo this 17
day of 06, 2003.



Woonhee Hwang

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

Witness Jan Hall Date 17.6.2003

Witness Jan Hall Date 17.6.2003