

# PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Tero Jokela	04/08/2008
Jussi Vesma	03/31/2008
Harri J. Pekonen	03/31/2008
RECEIVING PARTY DATA	
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State/Country:	FINLAND
Postal Code:	FIN-02150
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12021864
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ATTORNEY DOCKET NUMBER:	004770.01502
NAME OF SUBMITTER:	William J. Klein
<p>Total Attachments: 2</p> <p>source=Assignment1502#page1.tif</p>	

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**PATENT**  
**REEL: 020812 FRAME: 0205**



ASSIGNMENT

WHEREAS, we, Tero Jokela, residing in Turku, Finland, Jussi Vesma, residing in Turku, Finland, and Harri J. Pekonen, residing in Raisio, Finland (ASSIGNORS), are the inventors of certain inventions and improvements described in a U.S. patent application identified by Attorney Docket No. 004770.01502 and having the title

**PHYSICAL LAYER AND DATA LINK LAYER SIGNALLING IN DIGITAL VIDEO  
BROADCAST PREAMBLE SYMBOLS**

which application is executed concurrently herewith by each respective inventor, unless the following box is checked:

☒ was filed on 12/021,864 as U.S. Application No. or PCT International  
Application No. January 29, 2008

and WHEREAS

Nokia Corporation  
Keilalahdentie 4  
FIN-02150 ESPOO  
FINLAND

ASSIGNEE, desires to acquire the entire right, title and interest in and to the said application, inventions and improvements and any patents that may be granted on or as a result thereof in the United States of America (U.S.) and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged,

We hereby assign, to the above named ASSIGNEE, its successors, assigns and legal representatives (NOMINEES) the entire right, title and interest in and to said application, inventions and improvements throughout the world and to any and all patents, petty patents and utility model patents which may be granted therefor, and all continuations, continuations-in-part, divisions, reissues, extensions, renewals, and any non-provisional based on a provisional thereof (LETTERS PATENT).

And we covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement or do anything in conflict herewith;

And we further covenant and agree that we will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said application, inventions and improvements, and LETTERS PATENT in the ASSIGNEE or its NOMINEES, and we agree to communicate to said ASSIGNEE or its NOMINEES all known facts respecting said application, inventions, improvements, and LETTERS PATENT, to testify in any legal proceedings, to sign all lawful papers, and generally to do all things necessary to aid ASSIGNEE or its NOMINEES to obtain and enforce for their own benefit patent protection for said application, inventions and improvements in any and all countries, all at the expense, however, of the ASSIGNEE or its NOMINEES;

And we authorize the ASSIGNEE or its NOMINEES to file in our name or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEE or its NOMINEES any and all LETTERS PATENT for said application, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

And we hereby grant our attorneys at the law firm of Banner & Witcoff the power to insert into this document information sufficient to identify the patent application to which this assignment pertains.

Date: 8.4.2008

Inventor: Tero Jokela  
Tero Jokela

Date: 31.3.2008

Inventor: Jussi Vesma  
Jussi Vesma

Date: 31.3.2008

Inventor: Harri J. Pekonen  
Harri J. Pekonen

Note: No legalization or other witness required.

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