

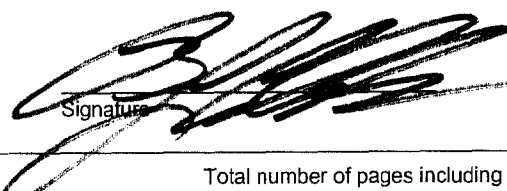
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1. Name of conveying party(ies): <b>Mednetix AG</b> Additional name(s) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies): <b>NORTHERN DIGITAL INC. 103 RANDALL DRIVE WATERLOO, ONTARIO CANADA N2V 1C5</b> Additional names/addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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: Execution Date: 05/16/2002	
4. Application number(s) or patent number(s): If this document is being filed with a new application, the execution date of the application is: A. Patent Application No(s).: B. Patent No(s).: <b>6,288,785</b> Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name/address of party to whom correspondence concerning document should be mailed: <b>TIMOTHY A. FRENCH Fish &amp; Richardson P.C. 225 Franklin Street Boston, Massachusetts 02110-2804</b>	6. Total number of applications/patents involved: 1 7. Total fee (37 CFR §3.41): \$40 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to charge Deposit Account. 8. Deposit Account No.: 06-1050 Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050.
<b>DO NOT USE THIS SPACE</b>	
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>  Brian J. Colandreo Reg. No. 42,427 Name of Person Signing   Signature  8-21-2002 Date  Total number of pages including coversheet, attachments and document: 6	

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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner of Patents, Washington, D.C. 20231.

August 21, 2002  
Date of Deposit

Signature

Susan R. Jones  
Typed Name of Person Signing Certificate

**PATENT**  
**REEL: 13221 FRAME: 0434**

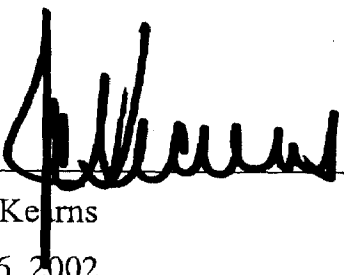
## ASSIGNMENT

For valuable consideration, MEDNETIX AG, as Swiss corporation having a registered head office at c/o Dr. Stefan Kirsch, Stumpfenweg 4, 5303 Würenlingen, Switzerland and a place of business at Schösslistrasse 12, Ennetbaden, 5408 Switzerland, (hereinafter called "the ASSIGNOR"), hereby assigns to NORTHERN DIGITAL INC. a corporation organized and existing under the laws of the Province of Ontario, Canada, having a registered head office and place of business at 103 Randall Drive, Waterloo, Ontario, CANADA N2V 1C5; and its successors and assigns (collectively hereinafter called "the ASSIGNEE"), the ASSIGNOR's entire right, title, and interest throughout the world in the inventions and improvements which are subject of the patents and pending patent applications identified in the attached Schedule A and being hereinafter referred to as "PATENTS AND APPLICATIONS".

This assignment includes said issued patents and pending patent applications, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of any of said issued patents and pending patent applications under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes. ASSIGNOR hereby authorizes the ASSIGNEE to apply in all countries for patents, utility models, design registrations, and like rights of exclusion, and for inventors' certificates for said inventions and improvements. The ASSIGNOR agrees for itself and its successors, legal representatives and assigns, without further compensation, to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements, and other lawful documents as the ASSIGNEE may reasonably request to effectuate fully this assignment.

ASSIGNOR

By

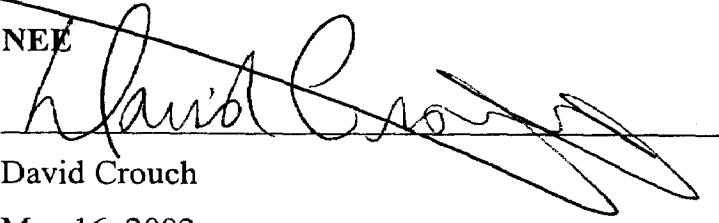
  
James Kearns

May 16, 2002

The ASSIGNEE hereby acknowledges receipt of ASSIGNOR's entire right, title, and interest in and to the PATENTS AND APPLICATIONS.

ASSIGNEE

By

  
David Crouch

May 16, 2002

**Schedule A**  
**PATENTS AND APPLICATIONS**

**"Device and process to determine positions"**

<b>Title:</b>	"Vorrichtung und Verfahren zur Positionsbestimmung"
<b>Country:</b>	PCT
<b>Application No.:</b>	PCT/CH97/00132
<b>Filing Date:</b>	March 27, 1997
<b>Inventors:</b>	S. Kirsch, C. Schilling, U. Greuter, H. Boksberger, P. Seiler

<b>Title:</b>	"Device and process to determine positions"
<b>Country:</b>	United States of America
<b>Application No.:</b>	US09/161,395
<b>Patent No.:</b>	US6,385,482
<b>Issue Date:</b>	May 7, 2002
<b>Inventors:</b>	S. Kirsch, C. Schilling, U. Greuter, H. Boksberger, P. Seiler

<b>Title:</b>	"Device and process to determine positions"
<b>Country:</b>	Europe (Switzerland, France, Great Britain, Netherlands)
<b>Patent No.:</b>	EP 0890117
<b>Issue Date:</b>	January 2, 2002
<b>Inventors:</b>	S. Kirsch, C. Schilling, U. Greuter, H. Boksberger, P. Seiler

<b>Title:</b>	"Device and process to determine positions"
<b>Country:</b>	Germany
<b>Patent No.:</b>	597 06 099.1-08
<b>Issue Date:</b>	January 2, 2002
<b>Inventors:</b>	S. Kirsch, C. Schilling, U. Greuter, H. Boksberger, P. Seiler

<b>Title:</b>	"Device and process to determine positions"
<b>Country:</b>	Japan
<b>Application No.:</b>	09-533 903
<b>Publication No.:</b>	2001-505071
<b>Filing Date:</b>	March 27, 1997
<b>Inventors:</b>	S. Kirsch, C. Schilling, U. Greuter, H. Boksberger, P. Seiler

**“System for determining spatial position and/or orientation of one or more objects”**

<b>Title:</b>	“System for determining spatial position and/or orientation of one or more objects”
<b>Country:</b>	United States of America
<b>Application No.:</b>	US09/428,834
<b>Patent No.:</b>	US6,288,785
<b>Issue Date:</b>	September 11, 2001
<b>Inventors:</b>	D. Frantz, S. Leis, S. Kirsch, C. Schilling

<b>Title:</b>	“System for determining spatial position and/or orientation of one or more objects”
<b>Country:</b>	Europe
<b>Application No.:</b>	00309377.0
<b>Filing Date:</b>	October 25, 2000
<b>Publication No.:</b>	1096268
<b>Inventors:</b>	D. Frantz, S. Leis, S. Kirsch, C. Schilling

<b>Title:</b>	“System for determining spatial position and/or orientation of one or more objects”
<b>Country:</b>	China
<b>Application No.:</b>	00128419.3
<b>Filing Date:</b>	October 26, 2000
<b>Publication No.:</b>	1323571
<b>Inventors:</b>	D. Frantz, S. Leis, S. Kirsch, C. Schilling

<b>Title:</b>	“System for determining spatial position and/or orientation of one or more objects”
<b>Country:</b>	Canada
<b>Application No.:</b>	2324894
<b>Filing Date:</b>	October 25, 2000
<b>Inventors:</b>	D. Frantz, S. Leis, S. Kirsch, C. Schilling

<b>Title:</b>	“System for determining spatial position and/or orientation of one or more objects”
<b>Country:</b>	Japan
<b>Application No.:</b>	2000-330735
<b>Filing Date:</b>	October 30, 2000
<b>Publication No.:</b>	2001-201316
<b>Inventors:</b>	D. Frantz, S. Leis, S. Kirsch, C. Schilling

**“Errors in systems using magnetic fields to locate objects”**

<b>Title:</b>	“Errors in systems using magnetic fields to locate objects”
<b>Country:</b>	PCT
<b>Application No.:</b>	PCT/EP01/03992
<b>Filing Date:</b>	April 6, 2001
<b>Publication No.:</b>	WO 200177701
<b>Inventors:</b>	S. Kirsch, C. Schilling

<b>Title:</b>	“Errors in systems using magnetic fields to locate objects”
<b>Country:</b>	United States of America
<b>Application No.:</b>	US 09/544,539
<b>Filing Date:</b>	April 7, 2000
<b>Inventors:</b>	S. Kirsch, C. Schilling

**"Process for Determining the Position of Sensor Element"**

<b>Title:</b>	"Verfahren zur Bestimmung der Position eines Sensorelementes"
<b>Country:</b>	PCT
<b>Application No.:</b>	PCT/CH01/00431
<b>Filing Date:</b>	July 10, 2001
<b>Publication No.:</b>	WO 02/08793
<b>Inventors:</b>	R. Muench, S. Kirsch, P. Seiler

<b>Title:</b>	"Verfahren zur Bestimmung der Position eines Sensorelementes"
<b>Country:</b>	Switzerland
<b>Application No.:</b>	1475/00
<b>Filing Date:</b>	July 26, 2000
<b>Inventors:</b>	R. Muench, S. Kirsch, P. Seiler

**"Gain factor and position determination system"**

<b>Title:</b>	"Gain factor and position determination system"
<b>Country:</b>	United States of America
<b>Application No.:</b>	US: 09/892,153
<b>Filing Date:</b>	June 26, 2001
<b>Inventors:</b>	S. Kirsch, H. Schild, C. Schilling

<b>Title:</b>	"Gain factor and position determination system"
<b>Country:</b>	PCT
<b>Application No.:</b>	PCT/CH02/00345
<b>Filing Date:</b>	June 25, 2002
<b>Inventors:</b>	S. Kirsch, H. Schild, C. Schilling