

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
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EPAS ID: PAT3642887

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	NUNC PRO TUNC ASSIGNMENT
<b>EFFECTIVE DATE:</b>	10/19/2015

**CONVEYING PARTY DATA**

Name	Execution Date
WARREN & LEWIS INVESTMENT CORPORATION	10/19/2015
COMMIX SYSTEMS, LCC	10/19/2015

**RECEIVING PARTY DATA**

<b>Name:</b>	NEC CORPORATION
<b>Street Address:</b>	7-1, SHIBA 5-CHOME, MINATO-KU
<b>City:</b>	TOKYO
<b>State/Country:</b>	JAPAN
<b>Postal Code:</b>	108-8001

**PROPERTY NUMBERS Total: 229**

Property Type	Number
Patent Number:	5446904
Patent Number:	5460547
Patent Number:	5551033
Patent Number:	5569052
Patent Number:	5629604
Patent Number:	5634079
Patent Number:	5636348
Patent Number:	5652890
Patent Number:	5657210
Patent Number:	5747964
Patent Number:	5821733
Patent Number:	5838141
Patent Number:	5847546
Patent Number:	5864698
Patent Number:	5883497
Patent Number:	5974261
Patent Number:	5974558
Patent Number:	5977881

PATENT

<b>Property Type</b>	<b>Number</b>
<b>Patent Number:</b>	6018806
<b>Patent Number:</b>	6137473
<b>Patent Number:</b>	6148344
<b>Patent Number:</b>	6169449
<b>Patent Number:</b>	6209034
<b>Patent Number:</b>	6262719
<b>Patent Number:</b>	6330231
<b>Patent Number:</b>	6353599
<b>Patent Number:</b>	6433670
<b>Patent Number:</b>	6594155
<b>Patent Number:</b>	6683605
<b>Patent Number:</b>	6724372
<b>Patent Number:</b>	6760017
<b>Patent Number:</b>	6924790
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<b>Patent Number:</b>	7123886
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<b>Patent Number:</b>	7715860
<b>Patent Number:</b>	8027685
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<b>Patent Number:</b>	6373880
<b>Patent Number:</b>	6435687
<b>Patent Number:</b>	6459911
<b>Patent Number:</b>	6541920
<b>Patent Number:</b>	6552711

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Patent Number:	7715818
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Patent Number:	7756555
Patent Number:	7804810
Patent Number:	7831254
Patent Number:	7856216
Patent Number:	7876809
Patent Number:	7885719
Patent Number:	8000752
Application Number:	09909248
Application Number:	12970473

**CORRESPONDENCE DATA**

**Fax Number:** (617)235-9492

*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.*

**Email:** tracy.chu@ropesgray.com

**Correspondent Name:** ROPES & GRAY LLP

**Address Line 1:** 1211 AVENUE OF THE AMERICAS

**Address Line 4:** NEW YORK, NEW YORK 10036

<b>ATTORNEY DOCKET NUMBER:</b>	108086-0019
<b>NAME OF SUBMITTER:</b>	TRACY W. CHU
<b>SIGNATURE:</b>	/Tracy W. Chu/
<b>DATE SIGNED:</b>	12/04/2015

**Total Attachments: 54**

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## ASSIGNMENT OF PATENTS

WHEREAS, **Warren & Lewis Investment Corporation**, a Virginia corporation ("Warren & Lewis") with its principal place of business at 301 Park Avenue, Suite 100, Falls Church VA 22046, agreed to purchase certain United States and international patents and patent applications identified and listed in Appendix 1 hereto (collectively, the "Patents") pursuant to an August 20, 2012 Sales and Purchase Agreement for Patents & Patent Applications ("The Agreement");

WHEREAS, Warren & Lewis thereafter assigned certain of its rights, titles and interests in the Patents to **Commix Systems, LLC**, a Delaware limited liability company ("Commix" and, together with Warren & Lewis, "Assignors") with its principal place of business at 301 Park Avenue, Suite 100, Falls Church VA 22046 by patent assignment dated June 22, 2014; and

WHEREAS, due to Warren & Lewis's failure to comply with certain portions of the Agreement, **NEC Corporation**, a Japanese corporation ("Assignee") with its principal place of business at 7-1, Shiba 5-chome, Minato-ku, Tokyo 108-8001, desires to reacquire the entire right, title, and interest in and to the Patents and all inventions and discoveries disclosed in the Patents ("Inventions") as well as the right to sue to recover damages for past and future infringement thereof;

NOW, THEREFORE, for good, valuable and sufficient considerations that each of Warren & Lewis, Commix and Assignee acknowledge receiving, and based on the rights and obligations conferred by the Agreement, the validity and enforceability of which are hereby acknowledged, each Assignor does hereby sell, assign, transfer and convey to Assignee, its successors and assigns, nunc pro tunc as of October 19, 2015, absolutely and forever, free and clear of all liens, 1) such Assignor's entire right, title and interest in the United States and in all countries throughout the world in and to the Patents and Inventions, including any renewals, revivals, reissues, reexaminations, extensions, continuations, continuations-in-part, and divisions of the Patents and any substitute applications therefor; 2) such Assignor's entire right, title and interest in and to any letters patent which may issue based on the Patents in the United States or

in any other country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration, and importation of the same ("Letters Patents"); 3) such Assignor's entire right, title and interest in all convention and treaty rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the Patents and Inventions; 4) such Assignor's entire right to bring actions for the enforcement of the Patents and Inventions including, but not limited to the right to sue for and recover damages for past and future infringement or other violation of the Patents and Inventions; and 5) any other rights such Assignor may have acquired in the Patents pursuant to the Agreement;

Each Assignor does hereby represent and warrant that, as of the date hereof, between Warren & Lewis and Commix together they are the sole and exclusive owners of 100% of the entire right, title, and interest in and to the Patents, free and clear of any claims, liens, charges or encumbrances;

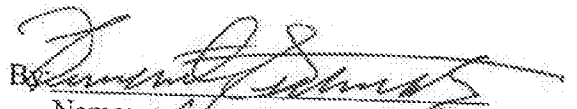
Each Assignor does hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to Assignee, its successors or assigns, whose right, title and interest in such Letters Patent are the same as would have been held and enjoyed by such Assignor had this assignment, sale and transfer not been made;

Each Assignor does hereby covenant that it has not executed and will not execute any agreement in conflict with this Assignment;

AND, each Assignor does hereby covenant and agree to execute such further documents and do such other acts as may be necessary and proper to vest full title in and to the Patents and Inventions in the Assignee or which may be necessary to issue, maintain or enforce the Patents and Inventions.

[Remainder of page left blank]

IN WITNESS WHEREOF, Warren & Lewis has caused this Assignment of Patents to be executed and delivered as of this 19<sup>th</sup> day of October, 2015

  
Name: VINCENT SEDMAK  
Title: Chairman

STATE OF Virginia )  
COUNTY OF Fairfax )

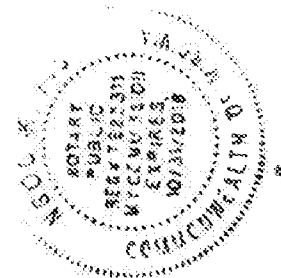
ss.

On October 19, 2015, before me, Ngoc K. Fug, a notary public in and for said State, personally appeared Vincent Sedmak personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

  
Signature

(Seal)



IN WITNESS WHEREOF, Commix has caused this Assignment of Patents to be executed and delivered as of this 14<sup>th</sup> day of October 2015.

By: [Signature]  
Name: VINCENT SEDMAK  
Title: PRESIDENT

STATE OF Virginia )  
COUNTY OF Fairfax )

ss.

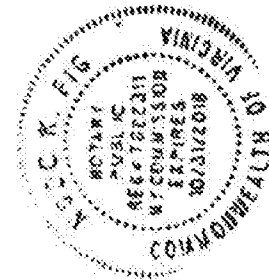
On October 19, 2015, before me, Ngue K. Fig, a notary public in and for said State, personally appeared Vincent Sedmak personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature

[Signature]

(Seal)



IN WITNESS WHEREOF, Assignee accepts this Assignment of Patents executed and delivered as of this 30<sup>th</sup> day of November 2015.

By: *Tubio Aro*  
Name:  
Title:

STATE OF \_\_\_\_\_ )  
  )      ss.  
COUNTY OF \_\_\_\_\_ )

On \_\_\_\_\_, \_\_\_\_\_, before me, \_\_\_\_\_, a notary public in and for said State, personally appeared \_\_\_\_\_, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature

(Seal)

Appendix I  
Patents

Country	Application No.	Application Date	Patent No.	Patented Date	Title
AU	17818/97	4/10/1997	724794	1/25/2001	Portable Telephone
AU	63658/98	4/28/1998	739449	1/24/2002	
AU	93913937.4	5/14/1993	6640229	1/29/1997	
AU	48309/97	12/10/1997	755653	4/3/2003	Mobile Phone Handset
AU	71926/00	11/30/2000	770317	6/3/2004	Cdma Mobile Telephone
AU	42362/99	7/29/1999	771066	6/24/2004	Character Inputting Method For A Handy Phone Using A Seesaw Key And A Device Therefor
AU	38774/01	4/20/2001	783011	1/5/2006	Mobile Telephone System Capable Of Effectively Utilizing Gps Information Even If Direct Reception By A Mobile Telephone Apparatus Is Difficult
AU	18391/01	2/9/2001	784145	5/25/2006	Touch Panel Input Device
BE	93913937.4	5/14/1993	6640229	1/29/1997	Enhanced Parallel Port
CA	2134439	5/14/1993	2134459	7/30/2002	Enhanced Parallel Port
CN	'00130214.0	10/27/2000	60130214.0	4/28/2004	Mobile Wireless Communication System Carrying Out Communication Of A Portable Terminal, An Information Source Server Apparatus And A Wireless Communication Gateway Server Apparatus
CN	00135066.8	12/14/2000	00150666.8	5/11/2005	Afc Apparatus And Method Used In A Mobile Communication System
CN	00136141.4	12/21/2000	00136141.4	5/11/2005	Mobile Communication System And Inter-Base Station Synchronizing Method
CN	01102338.4	2/2/2001	01102338.4	4/14/2004	Electronic Apparatus With Backlighting Device
CN	01102339.2	2/2/2001	01102339.2	4/6/2005	Pattern Generation Circuit, Multi-Path Detection Circuit Employing The Same And Multi-Path Detection Method

CN	01104072.6	2/21/2001	01104072.6	12/15/2004	Portable Terminal Device And Wireless Communication Terminal Device
CN	01109453.2	3/13/2001	01109453.2	8/1/2003	Foldable Portable Telephone Set
CN	01109881.3	3/22/2001	01109881.3	11/14/2007	Telephone Number Display Method And Set
CN	01111665.X	1/6/2001	01111665.X	10/13/2004	Clock Generator And Digital Or Telephone Portable Terminal Using The Same
CN	01111959.4	2/10/2001	01111959.4	2/6/2008	Printed Wiring Board
CN	0112032.5	3/23/2001	0112032.5	12/15/2004	Electrostatic Breakdown Prevention Apparatus For Electronic Apparatus
CN	01115413.6	4/24/2001	01115413.6	7/7/2004	Cdma Communication System And Channel Estimating Method Used In The Same
CN	01118061.7	5/17/2001	01118061.7	7/14/2004	System And Method For Clock Synchronization For Ush Sink Device
CN	01120667.5	7/24/2001	01120667.5	11/8/2006	Portable Wireless Apparatus
CN	01122641.2	5/16/2001	01122641.2	7/14/2004	Telephone System Having A Telephone Directory Information
CN	01129589.9	6/28/2001	01129589.9	3/16/2005	Portable Cellular Phone System With Automatic Answering Telephone Function
CN	01136090.9	10/8/2001	01136090.9	7/27/2005	Compound Acoustic Actuator Drive Circuit And Portable Information Terminal
CN	01136531.5	10/12/2001	01136531.5	9/22/2004	Handy Communication Terminal
CN	01137124.2	10/15/2001	01137124.2	5/12/2004	Image Data Storage Method
CN	01137636.8	10/23/2001	01137124.2	11/3/2004	Light Diffusion Unit
CN	01137636.8	9/19/2001	01137636.8	11/3/2004	



CN	01137974.X	10/10/2001	01137974.X	1/7/2009	Mobile Station And Method For Allocating Finger Thereof In A Cdma Communication System
CN	01140771.9	8/17/2001	01140771.9	7/12/2006	Portable Communication Unit And Internal Antenna Used For Same
CN	01140788.3	8/28/2001	01140788.3	1/21/2004	Transmission Circuit And Unnecessary Radiant Wave Suppression Method
CN	02102010.8	1/15/2002	02102010.8	7/29/2009	Mobile Phone
CN	02103459.1	1/30/2002	02103459.1	11/23/2005	Demodulation Circuit For Cdma Mobile Communications And Demodulation Method Therefor
CN	02104702.2	1/9/2002	02104702.2	8/9/2006	Dc/Dc Converter And Self-Luminous Display Apparatus
CN	02105656	3/8/2002	02105656.0	2/23/2005	Structure For Supporting Antenna
CN	02106468.7	1/12/2002	02106468.7	2/23/2005	Portable Telephone, Diffuser And Lighting Device Provided Therein
CN	02107806.8	3/21/2002	02107806.8	8/19/2009	Mounting Structure Of Electronic Parts
CN	02118027.X	4/19/2002	02118027.X	2/20/2008	Apparatus And Related Method For Automatically Categorizing Received Electronic Messages
CN	02119090.9	3/16/2002	02119090.9	3/23/2005	Microphone Unit Mounting Structure
CN	02121859.5	4/27/2002	02121859.5	8/3/2005	Handheld Mobile Phone With A Detachable Battery Pack
CN	02124636.X	6/19/2002	02124636.X	5/11/2005	Afe Circuit And Method
CN	02126384.1	6/1/2002	02126384.1	5/23/2005	
CN	02127543.2	5/31/2002	02127543.2	7/18/2007	Helical Antenna
CN	02128166.1	12/19/2002	02128166.1	8/17/2005	Mobile Telephone Terminal Apparatus Having Television Telephone Function
CN	02139955.7	12/27/2002	02139955.7	9/21/2005	Mobile Terminal Device, Method Of Controlling Telephone Number Display And Program Therefor

CN	02142121.8	8/28/2002	02142121.8	7/13/2005	Antenna Structure Of Mobile Communication Device And Mobile Communication Device Having The Same Antenna Structure
CN	02145594.5	12/20/2002	02145594.5	5/25/2005	Radio Communication System And Destination Portable Terminal Time Identification Method
CN	02147298.X	9/14/2002	02147298.X	2/15/2006	PH Synthesizer In A Cellular Phone
CN	02149812.1	1/4/2002	02149812.1	6/29/2005	Voice Synthesis System And Method That Performs Voice Synthesis Of Text Data Provided By A Portable Terminal
CN	02149993.4	11/5/2002	02149993.4	5/20/2009	Foldable Cellular Phone Set
CN	02150468.7	11/14/2002	02150468.7	12/21/2005	Multi-Function Portable Data-Processing Device
CN	02152262.6	11/21/2002	02152262.6	5/11/2005	Data Signal Processing Method And Data Processor Implementing Independent And Asynchronous System And Data Clocks
CN	02159842.8	12/27/2002	02159842.8	6/6/2007	Memory Pool Management Method And System Capable Of Using Memory Efficiently
CN	02160247.6	11/25/2002	02160247.6	10/19/2005	Fingerprint Identification Method And System, And Biometrics Identification System
CN	03103856.5	2/13/2003	03103856.5	10/14/2009	Folding Portable Information Terminal
CN	03120169.5	3/11/2003	03120169.5	6/28/2006	Frequency Hopping Communication Device With Simple Structure
CN	03120296.9	3/6/2003	03120296.9	12/20/2006	Foldable Type Portable Information Terminal, Condition Notifying Method Used In The Same Portable Information Terminal Comprising A Camera With A Fixed And Movable Display
CN	03121781.8	2/18/2003	03121781.8	2/15/2006	Water-Proof Collapsible Cellular Terminal Apparatus
CN	03123454.2	5/13/2003	03123454.2	1/11/2006	Cellular Phone And Method Of Operating The Same
CN	03131282.9	5/14/2003	03131282.9	10/19/2005	TF-Determination Device, And TF-Determination Method
CN	03132760.5	8/28/2003	03132760.5	1/9/2008	
CN	03156400.4	6/4/2003	03156400.4	8/12/2009	TF-Detection Circuit And Decoding Method

CN	03141004.9	6/5/2003	03141004.9	5/27/2009	Variable Type Antenna Matching Circuit
CN	03153321.3	8/8/2003	03153321.3	6/14/2006	Illumination Structure For Pushbutton And Electronic Device With Pushbutton Having Illumination Structure
CN	03153444.9	8/13/2003	03153444.9	2/8/2006	Hold Control For Communication System And Control Method For Telephone Set
CN	03158031.9	7/24/2003	03158031.9	10/1/2008	Relay Apparatus
CN	200310101766.0	10/23/2003	200310101766	5/13/2009	Method For Storing And Reproducing Ring Tone Melodies Of Mobile Phones And System Thereof
CN	200310104384.3	10/27/2003	200310104384.3	1/21/2009	Portable Information Terminal Equipment
CN	200310113302.1	11/7/2003	200310113302.1	1/18/2006	Mobile Radio Equipment And Method Of Controlling Transmission Rate For Mobile Radio Equipment
CN	200310118024.9	11/20/2003	200310118024.9	7/1/2009	Transport Vehicle Service Guiding System, And Transport Vehicle Service Guiding Method
CN	200310124085.6	11/21/2003	200310124085.6	3/28/2007	Clock Control System And Clock Control Method
CN	200310124607.2	11/19/2003	200310124607.2	11/7/2007	Cellular Network Acquisition Method And Apparatus
CN	200310124610.4	11/28/2003	200310124610.4	8/2/2006	Method Of Reselecting A Cell By A Mobile Terminal In Idle Mode In A Cellular Telecommunication Network
CN	200410003153.8	2/24/2004	200410003153.8	5/16/2007	Antenna Apparatus Having High Receiving Efficiency
CN	200410007412.4	1/29/2004	200410007412.4	9/27/2006	Circuit, Method, And Program In A Cdma Communication System For Quickly Tracking A Stable Path
CN	200410007847.9	3/3/2004	200410007847.9	8/2/2006	Multi-Band Radio Terminal And Band Switching Method Used Therefor And Program Thereof
CN	200410028451.2	3/11/2004	200410028451.2	4/8/2009	Portable Terminal Device And Method And Program For Varying Light Illuminance Used Therein
CN	200410032748.6	4/16/2004	200410032748.6	10/11/2006	Portable Camera With Flash And Indication Light Sharing Common Output

CN	200410034181.6	4/23/2004	200410034181.6	6/24/2009	Frequency Offset Detection Processing System And Frequency Offset Detection Processing Method Using The Same
CN	200410037901.4	5/10/2004	200410037901.4	10/24/2007	Communication Apparatus And Method
CN	200410038150.8	5/8/2004	200410038150.8	7/16/2008	Portable Telephone Set And Control Method Thereof
CN	200410039342.0	1/19/2004	200410039342	7/5/2006	Information Processing System, Mobile Phone And Information Processing Server
CN	200410042372.7	5/20/2004	200410042372.7	5/28/2008	Turbo Decoder And Dynamic Decoding Method Used For Same
CN	200410043334.3	5/14/2004	20041004334.3	7/23/2008	CDMA Receiver And Method Of Judging TfcI Candidates Of The Same
CN	200410047606.7	5/27/2004	200410047606.7	5/14/2008	Semiconductor Memory Device And Method Of Controlling The Same
CN	200410054967.4	7/27/2004	200410054967.4	10/29/2008	Folding Cellular Telephone
CN	200410057169.7	8/27/2004	200410057169.7	12/31/2008	Displaying Advertisement On Rear Display And Calculating Communication Costs To Bill Users And Advertisers
CN	200410058563.2	8/18/2004	200410058563.2	7/4/2007	Mobile Phone And Method Of Controlling Transmission Power
CN	200410070214.2	7/30/2004	200410070214.2	6/20/2007	Mobile Communication System, Mobile Communication Method, And Mobile Station
CN	200410071096.7	7/28/2004	200410071096.7	11/26/2008	Antenna Device And Wireless Communication Device Using Same
CN	200410071655.4	7/21/2004	200410071655.4	8/1/2007	Power Control Method (Outer-Loop) In Discontinuous Transmission (Dtx) Using Pilot Bits
CN	200410076840.2	9/8/2004	200410076840.2	10/8/2008	Abnormal Current Determining Method, Electronic Apparatus, And Computer Program Of Same
CN	200410077084.5	9/10/2004	200410077084.5	12/8/2010	Synchronization Judging Circuit And Cellular Phone Including The Same
CN	200410080811.3	10/9/2004	200410080811.3	5/26/2010	Mobile Communication System
CN	200410086660.2	12/10/2004	200410086660.2	6/15/2011	Age System, Age Method, And Receiver Using The Age System

CN	200410086988.4	10/27/2004	200410086988.4	7/25/2007	Antenna Device
CN	200410086989.9	10/27/2004	200410086989.9	4/18/2012	Mobile Phone System With Incoming Melody Designating Function And Mobile Phone
CN	200410088958.7	11/9/2004	200410088958.7	9/30/2009	Data Processor, Data Processing Method, And Electronic Equipment
CN	200410090439.4	11/18/2004	200410090439.4	6/24/2009	Mobile Telephone Power Saving Arrangement For A Fingerprint Authentication Unit
CN	200410090440.7	11/18/2004	200410090440.7	4/25/2007	Mobile Communication Terminal
CN	200410092687.2	11/12/2004	200410092687.2	3/26/2008	Gps Position Finding System And Method Of Finding Position Of Gps Terminal
CN	200410095508.0	11/25/2004	200410095508	9/9/2009	Mobile Terminal And Security Remote-Control System And Method Using The Mobile Terminal
CN	200410098897.2	12/13/2004	200410098897.2	1/28/2009	Antenna Device With Variable Matching Circuit And Radio Communication Apparatus Using The Antenna Device
CN	200410100678.3	12/8/2004	200410100678.3	6/9/2010	Portable Cellular Phone Having Capability Of Receiving Tv Broadcast, And Tv Broadcast Record Setting System And Method For Same
CN	200410103861.9	10/29/2004	200410103861.9	6/11/2008	Communication Terminal Device
CN	200510000216.9	1/5/2005	200510000216.9	5/9/2012	Information Delivery System, Information Delivery Method, Mobile Unit, Server, And Information Delivery Terminal
CN	200510001638.8	2/5/2005	200510001638.8	7/23/2008	Mobile Communication System, Mobile Communication Terminal And Call Search Method
CN	200510001886.2	1/24/2005	200510001886.2	11/28/2007	Power Apparatus And Electronic Equipment For Cellular Phone Having Main Battery And Attachable Battery
CN	200510004359.7	1/13/2005	200510004359.7	12/19/2007	Antenna-Switching Diversity Receiver Capable Of Switching Antennas For Cdma Communication

CN	200510005901.0	1/21/2005	200510005901	1/21/2009	Turbo Decoder, Turbo Decoding Method, And Operating Program Of Same
CN	200510007287.1	2/6/2005	200510007287.1	10/14/2009	Target Value Control System For Transmission Power Control And Method Thereof And Base Station And Mobile Communication Terminal
CN	200510009548.3	2/21/2005	200510009548.3	10/24/2007	Mobile-Communication Equipment And Transmission Power Control Method
CN	200510053639.7	3/9/2005	200510053639.7	8/5/2009	Portable Communication Terminal
CN	200510055466.2	3/18/2005	200510055466.2	9/3/2008	Public Wireless Lan Connection Servicing Device And Method
CN	200510056914.0	3/23/2005	200510056914.0	12/23/2009	Mobile Terminal, Reception Decision Method In A Mobile Terminal And Program
CN	200510056951.1	3/24/2005	200510056951.1	2/13/2008	Portable Communication Terminal And Method Of Transmission Of Electronic Mail
CN	200510059880.0	3/31/2005	200510059880.0	4/18/2007	Mobile Electronic Equipment
CN	200510059881.5	3/31/2005	200510059881.5	12/10/2008	Terminal Device, And In-Zone Cell Checking Method And Cell Re-Selection Method Thereof
CN	200510059885.3	3/31/2005	200510059885.3	8/13/2008	Automatic Character Code Recognition/Display System, Method, And Program Using Mobile Telephone
CN	200510064232.4	4/12/2005	200510064232.4	4/15/2009	Radio Communication Terminal And Transmission Power Control Method
CN	200510064510.6	4/11/2005	200510064510.6	6/16/2010	Mobile Phone, Personal Data Managing Method To Be Used In Same, And Personal Data Managing Control Program
CN	200510065988.0	4/19/2005	200510065988.0	5/5/2010	Folding Cellular Phone
CN	200510067655.1	4/25/2005	200510067655.1	8/26/2009	Reception Diversity System And Control Method Therefor
CN	200510068100.9	5/16/2005	200510068100.9	10/28/2009	Telephone Number Change Notification Method And Telephone Number Change Notification System
CN	200510076968.3	6/9/2005	200510076968.3	1/14/2009	Mobile Communication System, Mobile Terminal, Transmit Power Control Method In A Mobile Terminal, And Program

CN	200510080445.6	7/1/2005	200510080445.6	9/7/2011	Portable Radio Terminal, Antenna Selector Control Method For Use In Portable Radio Terminal, And Antenna Selector Control Program
CN	200510080611.2	7/4/2005	200510080611.2	1/16/2008	Battery Charging Control Terminal And Temperature Control Terminal
CN	200510084925.X	7/25/2005	200510084925.X	6/9/2010	Transmission Apparatus And Peak Reduction Method
CN	200510087165.8	7/27/2005	200510087165.8	11/26/2005	Portable Communication Terminal And Ringtone Volume Control Method
CN	200510087931.0	7/27/2005	200510087931.0	8/5/2009	Turbo Decoder, Turbo Decoding Method, And Turbo Decoding Program
CN	200510089792.5	8/9/2005	200510089792.5	11/14/2007	Mobile Communication Terminal And Method For Controlling Operation Thereof
CN	200510090840.2	8/16/2005	200510090840.2	9/30/2009	Flexible Connection Substrate And Foldable Electronic Apparatus
CN	200510092024.5	8/17/2005	200510092024.5	5/4/2011	Key Button Structure For Portable Terminal Device
CN	200510093098.0	8/25/2005	200510093098.0	1/14/2009	Sound Processing Device And Input Sound Processing Method
CN	200510098611.5	9/5/2005	200510098611.5	5/26/2010	Positioning Structure, Positioning Method, Case And Mobile Communication Terminal
CN	200510099188.0	9/7/2005	200510099188.0	10/28/2009	Multi-Band Wireless Transceiver And Method Of Controlling The Same
CN	200510104696.3	12/9/2005	200510104696.3	7/23/2008	Portable Terminal And Portable Terminal Communication Method
CN	200510105763.3	9/27/2005	200510105763.3	6/15/2011	Cell Search Method And Mobile Communication Terminal

CN	200510109949.6	9/20/2005	200510109949.6	6/10/2009	Structure For Preventing Stacking Connectors On Boards From Coming Apart And Electronic Device
CN	200510115843.7	11/9/2005	200510115843.7	4/29/2009	Presence Update System And Method Therefor, And Mobile Communication Terminal And Non-Contact Communication Apparatus Used Therefor
CN	200510102111.8	12/9/2005	200510130211.8	9/9/2009	Flexible Circuit Board, Electronic Circuit Device, And Mobile Communication Terminal
CN	200510132365.0	12/21/2005	200510132365.0	4/9/2008	A Receiving Equipment, Receiving Method And Program Therefor
CN	200510135303.5	12/27/2005	200510135303.5	10/8/2008	Radio Transmitter And Transmission Power Adjustment Method
CN	200610001268.2	1/12/2006	200610001268.2	11/11/2009	Portable Communication Terminal, Message Output Method Used For The Portable Communication Terminal, And Program Therefor
CN	200710092091.6	4/6/2007	200710092091.6	3/30/2011	
CN	02159809.6	12/27/2002	2159809.6	10/14/2009	Portable Electronic Equipment Having A Photographing Function And A Concealable Lens
CN	98109513.5	5/29/1998	98109513.5	12/25/2002	Radio Data Transmission Apparatus
CN	98126969.9	12/16/1998	98126969.9	9/8/2004	Method And Apparatus For Recording And Replaying Messages
CN	99103145.8	2/19/1999	99103145.8	7/23/2003	Mobile Radio Communication Equipment
CN	99123912.1	9/30/1999	99123912.1	12/26/2007	Hands Free Equipment For Portable Telephone
CN	99125034.6	9/30/1999	99125034.6	4/7/2004	Inverted-F Antenna With Switched Impedance
CN	99125077.X	11/25/1999	99125077.X	2/25/2004	Frequency Modulation Circuit
CN	200410008623.X	3/12/2004			Frequency Correction Method And Apparatus For Correcting Changes Due To Ageing
CN	200510052580.9	3/1/2005			Portable Terminal Device
CN	20110283247.5	9/22/2011			
CN	2006S0003171.7	2/16/2006			Code Division Multiple Access (Cdma) Receiving Device, And Path Searching Method



DE	02000722.5	1/11/2002	1223737	11/2/2005	
DE	03026602.7	11/19/2003	1422962	3/8/2006	
DE	04090441.9	11/17/2004	1533648	3/4/2009	Mobile Terminal Device Protected Against Impact
DE	04027457.3	11/18/2004	1534030	8/15/2007	
DE	04078072.8	11/6/2004	1542468	9/3/2008	
DE	03025309.0	11/3/2003	60340630.0	2012/4/18	
DE	04021442.1	9/9/2004	603004039921	2012/11/7	
DE	05107018.3	7/29/2005	602005035089.6	7/11/2012	
DE	93913937.4	5/14/1993	6640229	1/29/1997	
DE	02011988.9	5/29/2002	1263254	11/16/2005	
DE	03018060.8	8/7/2003	1389790	11/2/2005	
DE	03028634.8	12/15/2003	1432067	2/11/2009	Cell Phone Antenna Switching Circuit And Antenna Switching Method
DE	04001943.2	1/29/2004	1445672	4/10/2008	
DE	04008912	4/14/2004	1469671	8/2/2006	
DE	04025537.2	10/27/2004	1528625	8/27/2008	
DE	04024417.0	10/13/2004	1528762	3/26/2008	
DE	05019039.6	9/1/2005	602005030664	10/19/2011	
DE	00127978.5	12/20/2000	60040831.0	11/19/2008	
DE	00127154.3	12/12/2000	60043180.0	10/21/2009	

DE	01102329.8	2/1/2001	60125437.6	12/7/2006	
DE	01117607.0	7/23/2001	60132959.7	2/27/2008	
DE	01124463.9	10/11/2001	60144562.4	4/6/2011	
DE	04011429.0	5/13/2004	602004001597.7	7/19/2006	
DE	04011298.9	5/12/2004	602004002723.5	10/11/2006	Cellular Phone, Print System, And Print Method Therefor
DE	04005857.0	3/11/2004	602004008129.9	8/15/2007	Cellular Phone Set Having Self-Timer Photographing Function With Countdown Indication
DE	04012327.5	5/25/2004	602004008697.5	9/5/2007	
DE	04009387.4	4/21/2004	602004014838.5	7/9/2008	
DE	04005856.2	3/11/2004	602004019158.2	1/21/2009	
DE	04029198.1	12/9/2004	602004020856.6	4/29/2009	
DE	04005615.2	3/9/2004	602004021301.2	6/3/2009	
DE	04019320.3	8/13/2004	602004021321.7	6/3/2009	Antenna Device In Portable Terminal
DE	04090287.6	7/22/2004	602004022111.2	7/22/2009	
DE	04025461.7	10/26/2004	602004022374.3	8/5/2009	
DE	04025192.5	11/26/2004	602004023468.0	10/7/2009	
DE	04019491.2	8/17/2004	602004024621.2	12/16/2009	
DE	04030894.2	12/28/2004	602004025448.7	2/10/2010	

DE	04018115.8	7/30/2004	602004033145.7	6/22/2011
DE	04006734.0	3/19/2004	602004033591.6	7/27/2011
DE	04025436.9	10/26/2004	602004038164.0	6/13/2012
DE	05003202.8	2/15/2005	602005000061.5	8/9/2006
DE	05026768.1	12/7/2005	602005000870.5	4/11/2007
DE	05005149.9	3/9/2005	602005001789.5	8/1/2007
DE	05028040.3	12/21/2005	602005003402.6	10/24/2007
DE	05005975.7	3/18/2005	602005007951.3	7/9/2008
DE	05006019.9	1/3/2005	602005008114.3	7/16/2008
DE	05026607.1	12/6/2005	602005008691.9	8/6/2008
DE	05016315.3	7/27/2005	602005010155.1	10/8/2008
DE	05000262.6	9/17/2005	602005010954.4	11/12/2008
DE	05018500.8	8/25/2005	602005012563.9	1/28/2009
DE	05007053.1	3/31/2005	602005017692.6	11/18/2009
DE	05107684.2	8/22/2005	602005019264.6	2/10/2010
DE	05006912.9	3/30/2005	602005019936.5	3/17/2010
DE	05007756.9	4/8/2005	602005022009.7	6/30/2010
DE	05010481.9	5/13/2005	602005027019.1	3/23/2011
DE	05007793.2	4/8/2005	602005029969.6	
DE	05016298.1	2005/7/27	602005031533.0	
DE	05107018.3	7/29/2005	60200503589.6	

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DE	02091263.9	1/17/2002	60210354.1	4/5/2006	
DE	02024591.6	11/5/2002	60224637.7	5/21/2008	
DE	02011876.6	5/28/2002	60234407.7	11/18/2009	
DE	03024981.7	10/29/2003	60302860.8	12/21/2005	
DE	03002916.9	2/10/2003	60317729.8	11/28/2007	
DE	03026552.4	11/18/2003	60322494.6	7/30/2008	
DE	03090373.6	10/30/2003	60338340.8	9/14/2011	
DE	96109390.3	6/12/1996	69634286.3	2/2/2005	Radio Pager Having A Protection Lid
DE	98250355.9	10/7/1998	69841542.6	3/10/2010	Method For Controlling The Clock Frequency Of A Wireless Communication Terminal
DE	99119048.9	9/29/1999	69924443.9	3/30/2005	
DE	99109440.0	5/11/1999	69934453.0	12/20/2006	Cdma Receiver With A Reduced Number Of Required High Speed Aiders
DE	99122934.3	11/18/1999	69937986.5	1/16/2008	
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FR	03025309.0	11/3/2003	1418695		2012/4/18	
FR	03026602.7	11/19/2003	1422962		3/8/2006	
FR	04009387.4	4/21/2004	1471703		7/9/2008	
FR	04011429.0	5/13/2004	1478114		7/19/2006	
FR	04011298.9	5/12/2004	1480424		10/11/2006	
FR	04090287.6	7/22/2004	1501208		7/22/2009	
FR	04018115.8	7/30/2004	1503608		6/22/2011	
FR	04019491.2	8/17/2004	1508977		12/16/2009	
FR	04021442.1	9/9/2004	1515457		2012/11/7	

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FR	04027457.3	11/18/2004	1534030	8/15/2007
FR	04028192.5	11/26/2004	1536382	10/7/2009
FR	04025461.7	10/26/2004	1536617	8/5/2009
FR	04029198.1	12/9/2004	1542313	4/29/2009
FR	04078072.8	11/6/2004	1542468	9/3/2008
FR	05000919.9	1/3/2005	1551151	7/16/2008
FR	05003202.8	2/15/2005	1566887	8/9/2006
FR	05005149.9	5/9/2005	1575071	8/1/2007
FR	05005975.7	3/18/2005	1578061	7/9/2008
FR	05006912.9	3/30/2005	1583257	3/17/2010
FR	05007053.1	3/31/2005	1583330	11/18/2009
FR	05007756.9	4/8/2005	1583297	6/30/2010
FR	05007793.2	2005/4/8	1587222	
FR	05010481.9	5/13/2005	1596611	3/23/2011
FR	05016315.3	7/27/2005	1622283	10/8/2008
FR	05016298.1	7/27/2005	1624651	12/7/2011
FR	05090262.6	9/17/2005	1638379	11/12/2008
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FR	05028040.3	12/21/2005	1675273	10/24/2007
FR	04025436.9	10/26/2004	01528776	6/13/2012
FR	0214947	11/28/2002	0214947	2/11/2005
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FR	00127978.5	12/20/2000	1111814	11/19/2008
FR	01117607.0	7/23/2001	1185013	2/27/2008
FR	01124463.9	10/11/2001	1198074	4/6/2011
FR	02090065.6	1/8/2002	1221759	9/22/2004
FR	02001263.9	1/17/2002	1229666	4/5/2006
FR	02011876.6	5/28/2002	1263081	11/18/2009
FR	02011988.9	5/29/2002	1263254	11/16/2005
FR	02024591.6	11/5/2002	1313060	1/16/2008
FR	03002916.9	2/10/2003	1337103	11/28/2007
FR	03018060.8	8/7/2003	1389790	11/2/2005
FR	03024981.7	10/29/2003	1416707	12/21/2005
FR	03090373.6	10/30/2003	1422913	9/14/2011
FR	03026552.4	11/18/2003	1424667	7/30/2008
FR	03028634.8	12/15/2003	1432067	2/11/2009
FR	04001943.2	1/29/2004	1443672	8/1/2007
FR	04005856.2	3/11/2004	1458098	1/21/2009
FR	04005615.2	3/9/2004	1458182	6/3/2009



FR	04005557.0	3/11/2004	1458192	8/15/2007
FR	04006734.0	3/19/2004	1460874	7/27/2011
FR	04008912.0	4/14/2004	1469671	8/2/2006
FR	04012327.5	5/25/2004	1482516	9/5/2007
FR	04019320.3	8/13/2004	1507313	6/3/2009
FR	04025537.2	10/27/2004	1528625	8/27/2008
FR	04024417.0	10/15/2004	1528762	3/26/2008
FR	04030894.2	12/28/2004	1555767	2/10/2010
FR	05107018.3	7/29/2005	1626559	7/11/2012
FR	05018500.8	8/25/2005	1630792	1/28/2009
FR	05019039.6	9/1/2005	1633055	10/19/2011
FR	05107684.2	8/22/2005	1633173	2/10/2010
GB	99122984.3	11/18/1999	1005202	1/16/2008
GB	01102529.8	2/1/2001	1126626	12/27/2005
GB	02000722.5	1/11/2002	1223727	11/2/2005
GB	03025309.0	11/3/2003	1418695	2012/4/18
GB	04009387.4	4/21/2004	1471703	7/9/2008
GB	04011429.0	5/13/2004	1478114	7/19/2006
GB	04011298.9	5/12/2004	1480424	10/11/2006
GB	04090287.6	7/22/2004	1501208	7/22/2009

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GB	04090441.9	11/17/2004	1533648	3/4/2009
GB	04027457.3	11/18/2004	1534030	8/15/2007
GB	04028192.5	11/26/2004	1536382	10/7/2009
GB	04025461.7	10/26/2004	1536617	8/5/2009
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GB	04078072.8	11/6/2004	1542468	9/3/2008
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GB	05005149.9	3/9/2005	1575071	8/1/2007
GB	05005975.7	3/18/2005	1578061	7/9/2008
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GB	05007756.9	4/8/2005	1585297	6/30/2010
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GB	05016315.3	7/27/2005	1622283	10/8/2008

GB	05016298.1	7/27/2005	1624651	12/7/2011	
GB	05090262.6	9/17/2005	1638379	11/12/2008	
GB	05026768.1	12/7/2005	1643640	4/11/2007	
GB	05026607.1	12/6/2005	1670296	8/6/2008	
GB	05028040.5	12/21/2005	1675273	10/24/2007	
GB	09707345.6	4/11/1997	2312132	5/17/2000	
GB	9809086.5	4/28/1998	2324838	1/19/2000	
GB	09811682.5	5/29/1998	2327320	1/26/2000	
GB	9923087.2	9/29/1999	2344628	8/13/2003	
GB	0005697.8	3/9/2000	2349777	9/24/2003	Telephone, Particularly A Handy Phone
GB	0626358.2	10/27/2000	2360423	12/11/2002	
GB	0100041.3	1/2/2001	2360887	10/29/2003	
GB	0107253.7	3/22/2001	2363257	5/22/2002	
GB	0105490.7	3/6/2001	2364849	9/8/2004	Portable Radio Having Pivotable Antenna
GB	0105112.7	3/1/2001	2365194	2/23/2004	Front Lighting Unit And Liquid Crystal Display
GB	0106270.2	3/14/2001	2366663	9/3/2003	Packet Communication Charge Pre-Notification System
GB	01007640.5	3/27/2001	2365701	3/24/2004	
GB	0112074.0	5/17/2001	2366491	1/8/2003	
GB	0119925.6	8/15/2001	2367189	1/15/2003	
GB	01105877.3	6/28/2001	2369214	11/10/2004	
GB	0028489.3	11/22/2000	2369520	6/23/2004	移動通信装置及び標普通電話端末装置
GB	0125353.3	10/22/2001	2371730	3/23/2005	
GB	0126814.9	8/28/2001	2371932	4/16/2005	

GB	0206492.1	3/19/2002	2375020	9/8/2004	
GB	0206025.2	1/11/2002	2376117	6/30/2004	
GB	0205638.0	3/8/2002	2379556	11/19/2003	
GB	0208493.7	4/12/2002	2387508	6/29/2005	Method Of Calibrating Clocks For Two Independent Radio Access Technologies Without The Use Of Additional Hardware
GB	05207631.8	11/27/2003	2393863	9/15/2004	
GB	0224877.7	11/19/2002	2395619	9/29/2004	
GB	0306839.2	3/25/2003	2399965	5/25/2005	Method Of Network Acquisition And Related Cellular Radio Communication Device
GB	04025436.9	10/26/2004	01528776	6/15/2012	
GB	96109390.3	6/12/1996	0749212	2/2/2005	
GB	98250355.9	10/7/1998	0909049	3/10/2010	
GB	99109440.0	5/11/1999	0957591	12/20/2006	
GB	99119048.9	9/29/1999	0993070	3/30/2005	
GB	00127154.3	12/12/2000	1109313	10/21/2009	
GB	00127978.5	12/20/2000	111814	11/19/2008	
GB	01117607.0	7/25/2001	1185043	2/27/2008	
GB	01124463.9	10/11/2001	1198074	4/6/2011	
GB	02090005.6	1/8/2002	1221759	9/22/2004	
GB	02001263.9	1/17/2002	1229666	4/5/2006	
GB	02011876.6	5/28/2002	1263081	11/18/2009	
GB	02011988.9	5/29/2002	1263254	11/16/2005	
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GB	03018060.8	8/7/2003	1389790	11/2/2005
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GB	03090373.6	10/30/2003	1422913	9/14/2011
GB	03026552.4	11/18/2003	1424667	7/30/2008
GB	03026634.8	12/15/2003	1432067	2/11/2009
GB	04001943.2	1/29/2004	1443672	8/11/2007
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GB	04024417.0	10/13/2004	1528762	3/26/2008
GB	04030894.2	12/28/2004	1553767	2/10/2010
GB	05107018.3	7/29/2005	1626559	7/11/2012
GB	05018500.8	8/25/2005	1630792	1/28/2009
GB	03019039.6	9/1/2005	1633055	10/19/2011
GB	05107684.2	8/22/2005	1633173	2/10/2010
GB	97103219.5	6/23/1997	2314439	7/22/1998
GB	97106337.2	8/1/1997	2315896	6/14/2000
GB	99000147.1	1/5/1999	2324413	8/28/2002
				Call Receiver Having A Display For Displaying Portions Of A Received Message In Different Colors
				Radio Selective Calling Receiver Having Battery Saving Function
				Packet Communication Card

GB	99105704.2	7/5/1999	2339893	3/12/2003	Transmission Power Control Circuit Capable Of Varying Electric Power Over A Wide Range
GB	99108095.1	7/30/1999	2342012	4/9/2003	
GB	99300833.1	12/30/1999	2345818	8/20/2003	Assembly Structure Of Housing For Portable Communication Device
GB	0005235.7	3/3/2000	2347549	1/29/2003	Device For Illuminating An Object By Reflected Light
GB	0026118.0	10/25/2000	2357188	12/12/2003	Mobile Radio Machine
GB	0020185.3	8/16/2000	2357865	8/7/2002	System For Changing A Program Stored In A Terminal Device And A Terminal Device Used In The System
GB	0025038.1	10/12/2000	2359466	3/12/2003	Transmitter And Distortion Compensation Method To Be Used Therefor
GB	0029244.1	11/30/2000	2361844	4/10/2002	
GB	0110403.5	4/27/2001	2364453	6/30/2004	
GB	0104261.3	2/21/2001	2364612	11/20/2002	
GB	01006283.5	3/14/2001	2363700	10/20/2004	
GB	01009795.5	4/20/2001	2365706	11/24/2004	
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GB	0111967.6	5/16/2001	2367444	12/11/2002	
GB	0201143.5	1/18/2002	2369701	11/13/2002	
GB	0123781.7	10/3/2001	2370730	3/30/2005	Portable Telephone Apparatus
GB	0124036.5	10/5/2001	2370949	2/25/2004	
GB	01204582.0	10/12/2001	2372139	5/14/2003	
GB	0211030.2	5/14/2002	2372184	3/12/2003	
GB	0126040.5	10/30/2001	2372417	5/14/2003	Method And System For Delivering Music

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GB	02030104	2/8/2002	2375684	8/4/2004	
GB	02079382	4/5/2002	2376374	7/21/2004	
GB	02060554	3/14/2002	2376594	7/6/2005	
GB	02141489	6/19/2002	2378590	4/20/2005	
GB	02097699	4/29/2002	2379068	5/25/2005	
GB	02201379	9/13/2002	2380340	3/17/2004	
GB	021099867	8/28/2002	2380612	7/6/2005	
GB	02252575	10/30/2002	2381990	9/21/2005	
GB	02275360	11/25/2002	2383173	6/15/2005	
GB	02249019	10/25/2002	2383502	11/2/2005	
GB	02291144	12/13/2002	2384383	3/17/2004	
GB	02294684	12/18/2002	2384951	9/7/2005	
GB	02301805	12/24/2002	2385242	8/25/2004	
GB	03037173	2/18/2003	2385486	8/18/2004	
GB	02296077	12/19/2002	2385494	12/14/2005	
GB	02261279	11/8/2002	2386714	8/17/2005	
GB	03043916	2/26/2003	2387078	4/14/2004	
GB	03301661	12/24/2002	2388448	3/9/2005	
GB	031014842	5/19/2003	2388965	1/3/2007	Portable Radio Terminal Unit
GB	03129673	6/5/2003	2389463	2/15/2006	

GB	0305549.8	3/11/2003	2389473	7/14/2004
GB	0310972.5	5/13/2003	2390335	5/5/2006
GB	0317236.8	7/23/2003	2391422	1/17/2007
GB	0312821.2	6/4/2003	2391774	1/25/2006
GB	0318708.5	8/8/2003	2392052	10/13/2004
GB	0320185.2	8/28/2003	2392587	9/27/2006
GB	04106220.2	4/20/2001	240525	11/24/2004
GB	0514394.6	7/23/2003	2413456	10/11/2006
GB	0309408.0	11/26/2003		
GR	93913937.4	5/14/1993	3023283	7/30/1997
HK	01108374.8	8/30/2005	1037818	10/21/2005
HK	02100240.6	3/15/2002	1039848	2/22/2008
HK	02103591.5	5/13/2002	1042408	4/8/2005
HK	03101946.0	3/17/2003	1049935	8/1/2008
HK	03102660.2	11/4/2003	1050595	8/5/2005
HK	03107262.3	10/9/2003	1055049	4/7/2006
HK	03109340.5	12/24/2002	1057271	5/27/2005
HK	04101447.3	2/27/2004	1058737	9/29/2006
IT	93913937.4	5/14/1993	0640229	1/29/1997
IT	99109440.0	5/11/1999	0957591	12/20/2006
IT	99119048.9	9/29/1999	0993070	3/30/2005



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IT	01124463.9	10/11/2001	1198074	4/6/2011
IT	02090005.6	1/8/2002	1221759	9/22/2004
IT	02090722.5	1/11/2002	1223727	11/2/2005
IT	02001263.9	1/17/2002	1229666	4/5/2006
IT	02011876.6	5/28/2002	1263081	11/18/2009
IT	02011988.9	5/29/2002	1263254	11/16/2005
IT	02024591.6	11/5/2002	1313060	1/16/2008
IT	03002916.9	2/10/2003	1337103	11/28/2007
IT	03018060.8	8/7/2003	1389790	11/2/2005
IT	03024981.7	10/29/2003	1416707	12/21/2005
IT	03036602.7	11/19/2003	1422962	3/8/2006
IT	03026552.4	11/18/2003	1424667	7/30/2008
IT	03038634.8	12/15/2003	1432067	2/11/2009
IT	04001943.2	1/29/2004	1443672	8/1/2007
IT	04005856.2	3/11/2004	1458098	1/21/2009
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IT	04005857.0	3/11/2004	1458192	8/15/2007
IT	04006734.0	3/19/2004	1460874	7/27/2011
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IT	04028192.5	11/26/2004	1536382	10/7/2009
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IT	04030894.2	12/28/2004	1555767	2/10/2010
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IT	05005975.7	3/18/2005	1578061	7/9/2008
IT	05006912.9	3/30/2005	1583257	3/17/2010

IT	05097033.1	3/31/2005	1583330	11/18/2009
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IT	05019039.6	9/1/2005	1633055	10/19/2011
IT	05107684.2	8/22/2005	1633173	2/10/2010
IT	05090262.6	9/17/2005	1636379	11/12/2008
IT	05026768.1	12/7/2005	1643640	4/11/2007
IT	05026607.1	12/6/2005	1670296	8/6/2008
IT	05028040.3	12/21/2005	1675273	10/24/2007
IT	05090408.0	11/26/2005		
JP	408203958	8/1/1996	2878195	1/22/1999
JP	410129074	8/12/1998	2974004	9/3/1999
JP	409142179	5/30/1997	3060996	4/28/2000
JP	409364046	12/16/1997	3082845	6/30/2000
JP	410313661	11/25/1998	3116923	10/6/2000
JP	410217317	7/31/1998	3171169	3/23/2001
JP	410902219	1/8/1998	3230478	9/14/2001
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無線携帯端末のIC低減方法

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JP	411338916	11/30/1999	3407706	3/14/2003	
JP	411290518	10/13/1999	3428529	5/16/2003	表示装置および情報端末装置
JP	2000026150	2/5/2000	3438695	6/15/2003	
JP	411307805	10/28/1999	3468177	9/5/2003	
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JP	2000310501	10/11/2000	3476009	9/26/2003	
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JP	2000059872	3/6/2000	3528745	3/5/2004	
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JP	411293329	10/15/1999	3608716	10/22/2004	サーバ認識票を使用した通信システム
JP	2000145310	5/16/2000	3642261	2/4/2005	
JP	H05-500254	5/15/1992	3701965	7/22/2005	Suspend/Resume Capability For A Protected Mode Microprocessor And Hard Disk, And Idle Mode Implementation
JP	2001339483	11/5/2001	3750587	12/16/2005	

JP	2004043232	2/19/2004	3800222	5/12/2006	
JP	2001387894	12/20/2001	3820981	6/30/2006	
JP	2001397027	12/27/2001	3832341	7/28/2006	
JP	2005-151313	5/24/2005	3855172	9/22/2006	Method Of Operating A System Which Includes A Processor, A Storage Device, And A Peripheral
JP	2005-296733	10/11/2005	3904026	1/19/2007	Suspend/Resume Capability For A Protected Mode Microprocessor And Hard Disk, And Idle Mode Implementation
JP	2004039977	2/17/2004	3904086	1/19/2007	
JP	2000247243	8/17/2000	3908448	1/26/2007	
JP	2002162765	6/4/2002	3918922	2/23/2007	
JP	2002064825	3/11/2002	3947915	4/27/2007	
JP	2002247914	8/28/2002	3972770	6/22/2007	
JP	2001402055	12/28/2001	3979690	7/6/2007	
JP	2004549216	12/2/2004	3988766	7/27/2007	
JP	2002164426	6/5/2002	4048841	12/7/2007	
JP	2001359931	11/26/2001	4088334	1/18/2008	
JP	2001021268	1/30/2001	4081982	2/22/2008	
JP	2002337233	11/20/2002	4082188	2/22/2008	
JP	2002139141	5/14/2002	4096294	3/21/2008	
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JP	2003282098	7/29/2003	4107194	4/11/2008	
JP	2003394312	11/25/2003	4131229	6/6/2008	
JP	2004115406	4/9/2004	4135669	6/13/2008	
JP	2003121729	4/25/2003	4154391	7/18/2008	

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JP	2003302640	8/27/2003	4165343	8/8/2008	
JP	2003057891	3/5/2003	4168786	8/15/2008	
JP	2003326541	9/18/2003	4172018	8/22/2008	
JP	2005251295	8/31/2005	4172479	8/22/2008	
JP	2002339632	11/22/2002	4173096	8/29/2008	
JP	2002125610	4/26/2002	4193411	10/3/2008	携帯電話機
JP	2001006686	1/15/2001	4214350	11/14/2008	
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JP	2004196748	7/2/2004	4251117	1/30/2009	
JP	2003066565	3/12/2003	4257499	2/13/2009	
JP	2003137776	5/15/2003	4258272	2/20/2009	
JP	2003317620	9/10/2003	4259259	2/20/2009	
JP	2004232082	8/9/2004	4265504	2/27/2009	
JP	2004034454	2/12/2004	4288420	4/10/2009	
JP	2003150747	5/28/2003	4289026	4/10/2009	
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JP	2004027431	2/4/2004	4306480	5/15/2009
JP	2002059643	3/6/2002	4309091	5/15/2009
JP	2004102368	3/31/2004	4311254	5/22/2009
JP	2004006853	1/14/2004	4336760	7/10/2009
JP	2004044551	2/20/2004	4336968	7/10/2009
JP	2003130252	5/8/2003	4337027	7/10/2009
JP	2003282231	7/30/2003	4337457	7/10/2009
JP	2004124308	4/20/2004	4340885	7/17/2009
JP	2003277944	7/23/2003	4367044	9/4/2009
JP	2004128217	4/23/2004	4396379	10/30/2009
JP	2003350840	10/9/2003	4412456	11/27/2009
JP	2003282227	7/30/2003	4415598	12/4/2009
JP	2003411131	12/10/2003	4419545	12/11/2009
JP	2004144235	5/14/2004	4433171	1/8/2010
JP	2005001792	1/6/2005	4438628	1/15/2010
JP	2004260883	9/8/2004	4438946	1/15/2010
JP	2001184242	6/19/2001	4449259	2/5/2010
JP	2003411701	12/10/2003	4457657	2/19/2010
JP	2003388685	11/19/2003	4461778	2/26/2010
JP	2003413219	12/11/2003	4466827	3/5/2010

JP	2004104629	3/31/2004	4470557	3/12/2010
JP	2004170614	6/9/2004	4479360	3/26/2010
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JP	2007505872	6/14/2007	4706871	3/25/2011
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JP	2004248540	8/27/2004	4876378	12/9/2011
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LU	93913937.4	5/14/1993	0640229	1/29/1997	
NL	93913937.4	5/14/1993	0640229	1/29/1997	
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Switzerland	93913937.4	5/14/1993	0640229	1/29/1997	
UK	93913937.4	5/14/1993	0640229	1/29/1997	
US	077894311	6/4/1992	5446904	8/29/1995	Suspend/Resume Capability For A Protected Mode Microprocessor
US	08104950	8/10/1993	5460647	10/24/1995	Port Replicator
US	077893432	6/4/1992	5551033	8/27/1996	Apparatus for maintaining one interrupt mask register in conformity with another in a manner invisible to an executing program
US	08505042	7/21/1995	5569052	10/29/1996	Computer For Use With A Port Replicator
US	077975879	11/13/1992	5629604	5/13/1997	Computer Power Supply System
US	077885805	5/15/1992	5634079	5/27/1997	System For Providing For A Parallel Port With Standard Signals And A Flash Recovery Mode With Second Predetermined Signals Redefining Parallel Port With Alternate Functions
US	08361463	12/21/1994	5636348	6/3/1997	Control System For A Multiple Mode Standard Parallel Port For A Personal Computer
US	08173380	12/23/1993	5652890	7/29/1997	Interrupt For A Protected Mode Microprocessor Which Facilitate Transparent Entry To And Exit From Suspend Mode
US	08663075	6/12/1996	5657210	8/12/1997	
US	08785474	1/17/1997	5747964	5/5/1998	Rechargeable Battery And Charging System
US	08767170	12/16/1996	5821733	10/13/1998	Multiple Cell And Serially Connected Rechargeable Batteries And Charging System
US	0856468	5/14/1997	5838141	11/17/1998	Method For Generating A Continuously Variable Reference Signal For Controlling Battery Cell Charging

US	08/858262	5/14/1997	5847546	12/8/1998	System And Apparatus For Generating A Continuously Variable Reference Signal For Controlling Battery Cell Charging
US	08/932808	9/15/1997	5864698	1/26/1999	Disk Based Bios
US	08/956618	9/18/1997	5883497	3/16/1999	Battery Fuel Gauge
US	08/437065	5/9/1995	5974261	10/7/1999	Method and apparatus facilitating use of a hard disk drive in a computer
US	08/543510	10/16/1995	5974558	10/26/1999	Resume on Pen Contact
US	08/905045	8/1/1997	5977881	11/2/1999	
US	08/543423	10/16/1995	6018806	1/25/2000	Method and System for Rebooting a Computer Having Corrupted Memory Using an External Jumper
US	08/551936	10/16/1995	6137473	10/24/2000	System and Method for Switching Control Between a Host Computer and a Remote Interface Device
US	08/553808	10/16/1995	6148344	11/14/2000	System and Method for Enabling an IPX Driver to Accommodate Multiple LAN Adapters
US	09/345030	7/2/1999	6169449	1/2/2001	
US	08/543788	10/16/1995	6209034	3/27/2001	Remote Keyboard Macros Activated by Hot Icons
US	08/957398	10/23/1997	6202719	7/17/2001	Mouse Emulation with a Passive Pen
US	08/784276	1/15/1997	6330231	12/11/2001	Dynamic Server Allocating for Load Balancing Wireless Remote Interface Processing
US	08/784275	1/15/1997	6353599	3/5/2002	Wireless Enumeration
US	09/181384	10/28/1998	6433670	8/13/2002	Page And A Method Of Displaying The Number Of Messages Received By The Same
US	10/668946	2/8/2002	6594155	7/15/2003	

US	08/543698	10/16/1995	6683605	1/27/2004	Screen Saver Disabler
US	08/784688	1/15/1997	6724372	4/20/2004	Ink Trails On A Wireless Remote Interface Tablet/84,
US	08/543700	10/16/1995	6760017	7/6/2004	688Effless Remote Ink Field Object
US	08/784212	1/15/1997	6924790	8/2/2005	Remote Control Interface
US	09/435996	11/8/1999	6963332	11/8/2005	Mode switching for pen-based computer systems
US	08/784141	1/15/1997	6963783	11/8/2005	Audio compression in a wireless remote interface tablet
US	09/695279	10/25/2000	7039434	5/2/2006	
US	08/784034	1/15/1997	7113173	9/26/2006	Local handwriting recognition in a wireless interface tablet device
US	10/800334	3/12/2004	7120433	10/19/2005	Multiple wireless remote interfaces to a single server
US	10/132272	4/26/2002	7123886	10/17/2006	
US	11/089460	3/25/2005	7398112	7/8/2008	
US	10/199475	7/19/2002	7423637	9/9/2008	Wireless file transmission
US	11/312539	12/21/2005	7580442	8/25/2009	
US	11/172853	7/5/2005	7623896	11/24/2009	
US	10/911607	8/5/2004	7715860	5/11/2010	
US	12/201830	3/30/2005	8027685	9/27/2010	
US	12/779352	5/13/2010	8041436	10/18/2011	
US	08/831017	6/23/1997	6032024	2/29/2000	

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US	09/407288	9/29/1999	6459911B1	10/1/2002
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US	09/480115	1/10/2000	6591088B1	7/8/2003
US	09/087300	5/29/1998	6594362B2	7/15/2003
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US	09/972923	10/30/2001	6617966B2	9/9/2003
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US	09/812817	3/21/2001	6703564B2	3/9/2004
US	09/921888	8/6/2001	6704040B2	3/9/2004
US	09/975022	10/12/2001	6704398B2	3/9/2004

Cellular Phone Set And Remote Control Method  
Used Therefor

US	10/091469	3/7/2002	6707430B2	3/16/2004	Apparatus for And Method Of Gathering Information, Which Can Automatically Obtain HTML File Of URL Even If User Does Not Specify URL
US	09/566466	5/8/2000	6707470B1	3/16/2004	
US	10/157054	5/30/2002	6710752B2	3/23/2004	
US	10/118239	4/9/2002	6721402B2	4/13/2004	
US	10/095486	3/13/2002	6724905B2	4/30/2004	
US	09/921519	8/2/2001	6725070B2	4/20/2004	Portable Radio Device
US	10/242790	9/13/2002	6727763B2	4/27/2004	
US	10/280025	10/25/2002	6738895B2	4/27/2004	
US	09/473258	12/27/1999	6738042B1	5/18/2004	Character Conversion Apparatus And Character Conversion Method For Portable Information Apparatus
US	09/632130	8/3/2000	6751312B1	6/15/2004	Knob For Covering A Top End Of A Pointing Stick Or A Stick Switch Stick Switch And Portable Electronic Device And Portable Telephone Comprising The Stick Switch
US	09/858776	5/16/2001	6782273B2	8/24/2004	
US	09/694355	10/24/2000	6813481B1	11/2/2004	
US	10/001520	10/26/2001	6815601B2	11/9/2004	
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US	09/773596	2/2/2001	6891535B2	5/10/2005	
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US	09/167267	10/6/1998	6894982B1	5/17/2005	
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US	09/686760	10/12/2000	6909756B1	6/21/2005	
US	09/625052	7/24/2000	6909906B1	6/21/2005	Portable information Input Apparatus
US	09/991358	11/19/2001	6915115B2	7/5/2005	
US	09/599708	6/22/2000	6917517B1	7/12/2005	Portable Information Radio Terminal Device And Manufacturing Method Thereof
US	10/218619	8/15/2002	6927744B2	8/9/2005	
US	10/043671	1/11/2002	6928297B2	8/9/2005	
US	09/855621	5/16/2001	6937642B2	8/30/2005	
US	09/799982	3/6/2001	6941117B2	9/6/2005	
US	09/684334	10/10/2000	6950938B1	9/27/2005	
US	09/938586	8/27/2001	6952566B2	10/4/2005	
US	09/839096	4/20/2001	6954648B2	10/11/2005	
US	10/705856	11/13/2003	6956504B2	10/18/2005	
US	09/805025	3/12/2001	6977904B2	12/20/2005	
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US	11/006559	12/8/2004	7176841B2	2/13/2007	
US	11/227135	9/16/2005	7180750B2	2/20/2007	
US	09/804570	3/12/2001	7187955B2	3/6/2007	
US	10/232007	8/29/2002	7190977B2	3/13/2007	Collapsible Mobile Terminal, Its Display Method And Its Program
US	10/906288	7/28/2004	7209426B2	4/3/2007	
US	10/529482	12/27/2002	7203812B2	4/10/2007	
US	10/731141	12/10/2003	7209767B2	4/24/2007	Cellular Phone Suppressing Degradation Of Receiving Sensitivity
US	10/319540	12/16/2002	7224394B2	5/29/2007	
US	10/798080	3/11/2004	7228117B2	6/5/2007	
US	11/084146	3/21/2005	7228126B2	6/5/2007	
US	11/090230	3/28/2005	7228128B2	6/5/2007	
US	10/845419	5/12/2004	7233345B2	6/19/2007	
US	11/189976	7/27/2005	7242969B2	7/10/2007	
US	10/985917	11/12/2004	7248863B2	7/24/2007	
US	10/968355	10/21/2004	7251506B2	7/31/2007	
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US	10/586273	3/11/2003	7269300B2	9/11/2007	



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US	11/100398	4/7/2005	7324829B2	1/29/2008	
US	10/845216	5/14/2004	7327710B2	2/5/2008	Transprot Format Adjusting Unit Of Cdma Receiver
US	11/110891	4/21/2005	7327990B2	2/5/2008	
US	11/060170	2/17/2005	7328040B2	2/5/2008	
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US	11/283698	11/22/2005	7372426B2	5/13/2008	
US	11/103396	4/11/2003	7376445B2	5/20/2008	
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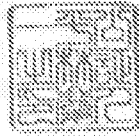
Structure and Method for Controlling a Host Computer  
Using a Remote Hand-held Interface Device

US	12/970473				Wireless File Transmission
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NOTARIAL CERTIFICATE

This is to certify that Toshio Asai who is authorized to sign to the attached document on behalf of NEC Corporation, affixed his signature in my very presence to the said document.

Dated this 30th day of November, 2015.



*Kei Hirabayashi*

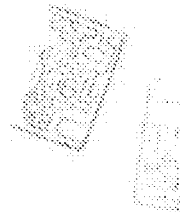
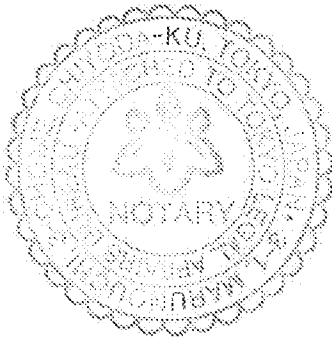
Keiichi Hirabayashi

NOTARY

3-1, Marunouchi 3-chome,  
Chiyoda-ku, Tokyo, Japan

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TOKYO LEGAL AFFAIRS BUREAU



認 証

日本電気株式会社知的財産本部長淺井俊雄は、当職の面前で、添付書面に自ら署名した。以下余白

よって、これを認証する。

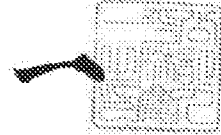
平成27年 11 月 30 日、本公証人役場において

東京都千代田区丸の内三丁目3番1号

東京法務局所属

公 証 人  
Notary

平 井 俊 雄



KEIICHI HIRABAYASHI

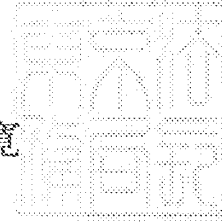
証 明

上記署名は、東京法務局所属公証人の署名に相違ないものであり、かつ、その押印は、真実のものであることを証明する。

平成27年 11 月 30 日

東京法務局長

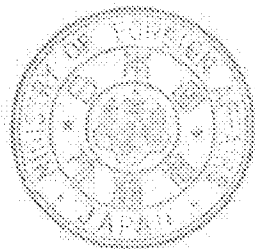
加藤 朋寛



APOSTILLE

(Convention de La Haye du 5 octobre 1961)

- 1. Country: JAPAN
- This public document
- 2. has been signed by KEIICHI HIRABAYASHI
- 3. acting in the capacity of Notary of the Tokyo Legal Affairs Bureau
- 4. bears the seal/stamp of KEIICHI HIRABAYASHI, Notary
- Certified
- 5. at Tokyo
- 6. NOV.30.2015
- 7. by the Ministry of Foreign Affairs
- 8. 15-NQ 057270
- 9. Seal/stamp:
- 10. Signature



A. Ogawa

Ayako OGAWA

For the Minister for Foreign Affairs

PATENT