

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
International Business Machines	04/08/2013
RECEIVING PARTY DATA	
Name:	Intel Corporation
Street Address:	2200 Mission College Boulevard
City:	Santa Clara
State/Country:	CALIFORNIA
Postal Code:	95054
PROPERTY NUMBERS Total: 1	
Property Type	Number
Patent Number:	7228403
CORRESPONDENCE DATA	
Fax Number:	4087208383
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(408)720-8300
Email:	dakota_dillon@bstz.com
Correspondent Name:	Blakely, Sokoloff, Taylor, & Zafman LLP
Address Line 1:	1279 Oakmead Parkway
Address Line 4:	Sunnyvale, CALIFORNIA 94085
ATTORNEY DOCKET NUMBER:	42G01188
NAME OF SUBMITTER:	Michael J. Mallie Reg. 36,591
Signature:	/Michael J. Mallie/
Date:	04/24/2013
Total Attachments: 8 source=IBM#page1.tif	

CH \$40.00 7228403

source=IBM#page2.tif
source=IBM#page3.tif
source=IBM#page4.tif
source=IBM#page5.tif
source=IBM#page6.tif
source=IBM#page7.tif
source=IBM#page8.tif

Assignment Accepted By:

Intel Corporation

Signature: Cynthia (Cindy) Fatz

Date: April 9, 2013

Name: CYNTHIA (CINDY) FATZ

Title: DIRECTOR OF PATENTS

State of _____)
) S.S.

County of _____)

Before me this _____ day of _____, 20____, personally appeared _____, to me known to be the person who is described in and who signed the foregoing Assignment and acknowledged to me that he/she signed the same of his/her own free will for the purpose therein expressed.

Notary Public

NOTARY ACKNOWLEDGMENT ATTACHED

**CALIFORNIA ALL-PURPOSE
CERTIFICATE OF ACKNOWLEDGMENT**

State of California

County of NEVADA

On April 9, 2013 before me, Patrick L. Hauser, Notary Public
(Here insert name and title of the officer)

personally appeared Cynthia Lyane Thomas Faatz

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Patrick L. Hauser
Signature of Notary Public

(Notary Seal)

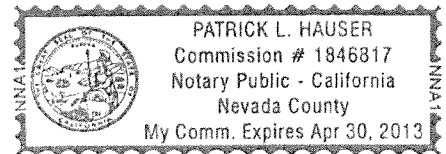


EXHIBIT A

Active US Patents

IBM Docket Number	Country	Patent Number	Application Number	Filing Date	Issue Date
POU919980001US1	US	6052771	09/008792	01/20/98	04/18/00
POU919980050US1	US	6134676	09/070145	04/30/98	10/17/00
ROC919980277US1	US	6161166	09/266133	03/10/99	12/12/00
END919980038US1	US	6289465	09/228884	01/11/99	09/11/01
ROC919980239US1	US	6314500	09/228314	01/11/99	11/06/01
AUS919990622US1	US	6345342	09/437177	11/09/99	02/05/02
AUS919990621US1	US	6345343	09/437178	11/09/99	02/05/02
AUS919990624US1	US	6349369	09/437180	11/09/99	02/19/02
AUS919980779US1	US	6405285	09/340076	06/25/99	06/11/02
AUS919980780US1	US	6434667	09/340075	06/25/99	08/13/02
ROC919990090US1	US	6438651	09/432044	11/01/99	08/20/02
END919980038US2	US	6457131	09/832064	04/10/01	09/24/02
AUS919990661US1	US	6460115	09/435865	11/08/99	10/01/02
AUS919990334US1	US	6484220	09/383736	08/26/99	11/19/02
YOR919990103US1	US	6513109	09/387220	08/31/99	01/28/03
AUS919990647US1	US	6529990	09/436203	11/08/99	03/04/03
BUR919980217US1	US	6532520	09/394965	09/10/99	03/11/03
AUS919990442US1	US	6609190	09/478311	01/06/00	08/19/03
YOR919990610US1	US	6643754	09/504610	02/15/00	11/04/03
JP920000099US1	US	6654836	09/597769	06/19/00	11/25/03
AUS919990650US1	US	6684279	09/436202	11/08/99	01/27/04
AUS920010198US1	US	6760819	09/895888	06/29/01	07/06/04
DE920010008US1	US	6766434	10/126239	04/19/02	07/20/04
POU919970165US1	US	6766437	09/514630	02/28/00	07/20/04
AUS920000380US1	US	6766441	09/765163	01/19/01	07/20/04
AUS920000280US1	US	6766443	09/859247	05/17/01	07/20/04
RAL920000072US2	US	6772254	09/855831	05/15/01	08/03/04
BEA920000018US1	US	6785779	10/045821	01/09/02	08/31/04
RPS920010060US1	US	6792509	10/005426	11/07/01	09/14/04
AUS920020587US1	US	6820143	10/322127	12/17/02	11/16/04
AUS919990454US1	US	6829702	09/626247	07/26/00	12/07/04
YOR920010675US1	US	6839828	09/929805	08/14/01	01/04/05
YOR919990610US2	US	6851034	10/261886	09/30/02	02/01/05
AUS919990451US1	US	6868491	09/598434	06/22/00	03/15/05
POU919980103US1	US	6874040	09/740440	12/19/00	03/29/05
AUS919990283US1	US	6901540	09/435868	11/08/99	05/31/05
ROC920000155US1	US	6931639	09/645081	08/24/00	08/16/05
RAL920000058US1	US	6931641	09/542206	04/04/00	08/16/05
AUS920010167US1	US	6965982	09/895227	06/29/01	11/15/05
FIS920030002US1	US	6976132	10/249304	03/28/03	12/13/05
AUS919980544US1	US	6976157	09/435070	11/04/99	12/13/05
AUS920030086US1	US	6981072	10/455169	06/05/03	12/27/05

IBM Docket Number	Country	Patent Number	Application Number	Filing Date	Issue Date
AUS920020006US1	US	6981079	10/105125	03/21/02	12/27/05
DE920000006US1	US	6986027	09/864590	05/24/01	01/10/06
ARC920020050US1	US	6996676	10/295507	11/14/02	02/07/06
ROC920030120US1	US	7003647	10/422662	04/24/03	02/21/06
AUS920020692US2	US	7010626	11/057454	02/14/05	03/07/06
YOR920010219US2	US	7017073	10/083579	02/27/02	03/21/06
AUS920020512US1	US	7035958	10/264170	10/03/02	04/25/06
YOR920010606US1	US	7051168	09/940911	08/28/01	05/23/06
AUS920020704US1	US	7096289	10/346293	01/16/03	08/22/06
POU920030092US1	US	7111196	10/435563	05/12/03	09/19/06
AUS920030694US1	US	7143246	10/759939	01/16/04	11/28/06
ARC920020050US2	US	7167953	11/151363	06/13/05	01/23/07
AUS920030163US1	US	7194587	10/422677	04/24/03	03/20/07
YOR920010752US1	US	7197654	10/122875	04/11/02	03/27/07
AUS920030367US1	US	7200689	10/631590	07/31/03	04/03/07
DE920000097US1	US	7228403	09/683351	12/18/01	06/05/07
ROC920030108US1	US	7281075	10/422513	04/24/03	10/09/07
AUS920030550US1	US	7293164	10/757237	01/14/04	11/06/07
YOR919990610US3	US	7308606	10/969525	10/20/04	12/11/07
AUS920030402US1	US	7321958	10/697897	10/30/03	01/22/08
AUS920031030US1	US	7334142	10/763094	01/22/04	02/19/08
YOR920050079US1	US	7373462	11/093152	03/29/05	05/13/08
YOR920050081US1	US	7380071	11/093127	03/29/05	05/27/08
YOR920050078US1	US	7386683	11/093131	03/29/05	06/10/08
AUS920030706US1	US	7389508	10/670833	09/25/03	06/17/08
YOR920050016US1	US	7392351	11/093130	03/29/05	06/24/08
AUS920060063US1	US	7434033	11/279775	04/14/06	10/07/08
AUS920060235US1	US	7437539	11/279777	04/14/06	10/14/08
YOR919990589US1	US	7441110	09/458883	12/10/99	10/21/08
AUS920030644US1	US	7444498	11/016236	12/17/01	10/28/08
ROC920060064US1	US	7487340	11/422927	06/08/06	02/03/09
AUS920060206US1	US	7500035	11/532987	09/19/06	03/03/09
AUS920020304US1	US	7526595	10/202722	07/25/02	04/28/09
ROC920030108US2	US	7546406	11/781085	07/20/07	06/09/09
AUS920030644US2	US	7594096	11/950495	12/05/07	09/22/09
YOR920050078US2	US	7603523	12/035085	02/21/08	10/13/09
AUS920030706US2	US	7653908	12/042254	03/04/08	01/26/10
AUS920030402US2	US	7689783	11/840284	08/17/07	03/30/10
AUS920031030US2	US	7702936	11/950442	12/05/07	04/20/10
AUS920020304US2	US	7707347	12/353299	01/14/09	04/27/10
AUS920060063US2	US	7818544	12/204865	09/05/08	10/19/10
AUS920060206US3	US	7861022	12/393469	02/26/09	12/28/10
YOR919990610US4	US	7870359	11/874814	10/18/07	01/11/11
ROC920060064US2	US	7941654	12/364350	02/02/09	05/10/11
RAI920000058US2	US	8006244	10/915983	08/11/04	08/23/11
YOR920050081US2	US	8103836	12/126674	05/23/08	01/24/12

IBM Docket Number	Country	Patent Number	Application Number	Filing Date	Issue Date
YOR920050016US2	US	8135917	12/137325	06/11/08	03/13/12
AUS920060206US2	US	8171448	12/129777	05/30/08	05/01/12
AUS920060235US2	US	8200946	12/207545	09/10/08	06/12/12
YOR920050079US2	US	8255638	12/113262	05/01/08	08/28/12

Inactive US Patents

IBM Docket Number	Country	Patent Number	Application Number	Filing Date	Issue Date
AUS919990623US1	US	6374333	09/437176	11/09/99	04/16/02
AUS919990620US1	US	6321306	09/437179	11/09/99	11/20/01
AUS919990625US1	US	6345344	09/437181	11/09/99	02/05/02
RAL920000008US1	US	7093109	09/542189	04/04/00	08/15/06
AUS919990455US1	US	6725358	09/598435	06/22/00	04/20/04
AUS920030552US1	US	7290255	10/757156	01/14/04	10/30/07

Active Non-US Patents

Active Granted Non-US Patents

IBM Docket Number	Country	Patent Number	Application Number	Filing Date	Issue Date
AUS919990442CN1	CN	ZL00137007.3	00137007.3	12/27/00	08/25/04
AUS920020587CN1	CN	ZL 200310119558.3	200310119558.3	12/04/03	09/20/06
AUS920030163CN1	CN	ZL200410036979.4	200410036979.4	04/20/04	10/11/06
AUS920030694CN1	CN	ZL200510004302.7	200510004302.7	01/14/05	12/13/06
AUS920031030CN1	CN	ZL200510004587.4	200510004587.4	01/18/05	09/19/07
AUS920060063CN1	CN	ZL200710096782.3	200710096782.3	04/12/07	08/19/09
AUS920060206CN1	CN	ZL200710141778.4	200710141778.4	08/21/07	08/19/09
AUS920060235CN1	CN	ZL200780009154.5	200780009154.5	03/27/07	10/10/12
POU919980001CN1	CN	ZL98122422.9	98122422.9	11/18/98	05/28/03
RAL920000072CN1	CN	ZL01121951.3	01121951.3	06/21/01	06/22/05
ROC919980277CN1	CN	ZL00101695.4	00101695.4	01/27/00	09/22/04
YOR919990589CN1	CN	ZL00135283.0	00135283.0	12/08/00	03/02/05
YOR919990610CN1	CN	ZL01104511.6	01104511.6	02/14/01	03/30/05
YOR919990610CN2	CN	ZL200410057599.9	200410057599.9	02/14/01	12/05/07
YOR920050016CN1	CN	ZL 200680010151.9	200680010151.9	03/17/06	12/09/09
AUS920060235DE1	DE	602007002189.8	07727376.1	03/27/07	08/26/09
DE920000006DE1	DE	10121792.7	10121792.7	05/04/01	09/25/03
RAL920000058DE1	DE	10110504.5	10110504.5	03/03/01	11/23/06
ROC920060064DE1	DE	602007027309.9	07729880.0	06/05/07	12/12/12
AUS920060235GB1	GB	2013712	07727376.1	03/27/07	08/26/09
ROC920060064GB1	GB	2035920	07729880.0	06/05/07	12/12/12
AUS919990334IL1	IL	137591	137594	07/31/00	04/25/05
AUS919990334JP1	JP	4169914	2000-241082	08/09/00	08/15/08
AUS920020704JP1	JP	4195368	2003-431153	12/25/03	10/03/08
AUS920030163JP1	JP	3989457	2004-112533	04/06/04	07/27/07
AUS920030367JP1	JP	4019073	2004-207889	07/14/04	09/28/07

AUS920031030JP1	JP	4181554	2005-012116	01/19/05	09/05/08
AUS920060063JP1	JP	4677422	2007-099182	04/05/07	02/04/11
AUS920060235JP1	JP	4608590	2009-504675	03/27/07	10/15/10
POU919980001JP2	JP	3564041	2000-126367	01/13/99	06/11/04
ROC919980277JP1	JP	3431878	2000-062593	03/07/00	05/23/03
ROC920030108JP1	JP	3989911	2004-087908	03/24/04	07/27/07
ROC920060064JP1	JP	5137948	2009-513671	06/05/07	11/22/12
YOR919990610JP1	JP	3611305	2001-032286	02/08/01	10/29/04
YOR919990610JP2	JP	4175568	2004-061168	02/08/01	08/29/08
YOR920050016JP1	JP	5120850	2008-504137	05/17/06	11/02/12
AUS920031030KR1	KR	724507	2005-0005659	01/21/05	05/28/07
YOR920050016KR1	KR	1013237	2007-7021818	03/17/06	01/28/11
POU919980001MX1	MX	215960	99000024	01/05/99	08/21/03
AUS920031030TW1	TW	1329264	94100081	01/03/05	08/21/10
DE920010008TW1	TW	1230897	90116975	07/11/01	04/11/05
YOR919990103TW1	TW	NI-151707	89116776	08/18/00	06/28/02
YOR919990610TW1	TW	NI-174709	90103182	02/12/01	07/23/03
AUS920060235FR1	FR	2013712	07727376.1	03/27/07	08/26/09
YOR919990103JP1	JP	3565499	2000-257497	8/28/2000	6/18/2004
AUS920020704TW1	TW	1291102	93100821	1/13/2004	12/11/2007
ROC920060064EP1	EP	2035920	07729880.0	6/5/2007	12/12/2012

Inactive Non-US Patents

IBM Docket Number	Country	Patent Number	Application Number	Filing Date	Issue Date
AUS920060235EP1	EP	2013712	07727376.1	3/27/2007	8/26/2009
AUS919990442HK1	HK	HK1037248	01106811.3	12/27/2000	2/4/2005
YOR919990589HK1	HK	HK1035243	01105871.2	12/8/2000	8/19/2005
AUS919990442JP1	JP	3540743	2000-391228	12/22/2000	4/2/2004
JP920000099JP1	JP	3562583	2001-185459	6/19/2001	6/11/2004
AUS919990334KR1	KR	389103	2000-0047288	8/16/2000	6/13/2003
AUS919990442KR1	KR	407013	2001-0000614	1/5/2001	11/13/2003
AUS920020704KR1	KR	577659	2003-0090897	12/13/2003	5/1/2006
AUS920030163KR1	KR	535146	2004-0019565	3/23/2004	12/1/2005
POU919980001KR1	KR	310900	1998-0046782	11/2/1998	9/21/2001
RA1920000058KR1	KR	368350	2001-0011116	3/5/2001	1/3/2003
YOR919990103KR1	KR	402185	2000-0048611	8/22/2000	10/6/2003
YOR919990610KR1	KR	390616	2001-0004526	1/31/2001	6/26/2003
POU919980001MY1	MY	MY-114607-A	P198004912	10/28/1998	11/30/2002
YOR919990103MY1	MY	MY-125518-A	P120003468	7/28/2000	8/30/2006
POU919980001SG1	SG	77216	9900119-0	1/20/1999	6/19/2001
YOR919990610SG1	SG	96595	200100302-9	1/19/2001	12/31/2003
AUS920030163TW1	TW	1298126	93110992	4/20/2004	6/21/2008
AUS920030694TW1	TW	1338843	94100644	1/10/2005	3/11/2011
POU919980001TW1	TW	NI-125293	88100666	1/16/1999	5/8/2001

END OF EXHIBIT A

EXHIBIT B

Active Patent Applications

IBM Docket Number	Country	Application Number	Filing Date	Published Application Number
DE920000097EP2	EP	01128990.7	12/06/01	1217513
YOR920050016EP1	EP	06739000.5	03/17/06	1864224
AUS920020304US3	US	12/719683	03/08/10	US20100169527A1
YOR920050079US3	US	13/587420	08/16/12	US20120311272A1
ROC920060064CN1	CN	200780018535.X	06/05/07	CN101449238A
AUS920060063TW1	TW	96111871	04/03/07	200809629

Inactive US Patent Applications

IBM Docket Number	Country	Patent Number	Application Number	Filing Date	Issue Date
AUS920020692US1	US		10/401411	3/27/2003	
RAL920000072US1	US		60/213040	6/21/2000	
YOR920010219US1	US		60/272138	2/28/2001	

Inactive Non-US Patent Applications

IBM Docket Number	Country	Patent Number	Application Number	Filing Date	Issue Date
RAL920000058CA1	CA		2334393	2/2/2001	
YOR919990610CA1	CA		2332097	1/23/2001	
DE920000006EP1	EP		00111339.8	5/26/2000	
DE920000097EP1	EP		00128490.0	12/23/2000	
DE920010008EP1	EP		01109711.0	4/20/2001	
POU919980001EP1	EP		99300313.6	1/18/1999	
YOR919990610EP1	EP		01301262.0	2/14/2001	
DE920010008JP1	JP		2002-115333	4/17/2002	
POU919980001JP1	JP		11-005973	1/13/1999	
RAL920000058JP1	JP		2001-104520	4/3/2001	
AUS920031030MY1	MY		P120050145	1/13/2005	
POU919980001NL1	NL		99300313.6	1/18/1999	
AUS920060235PCT1	PCT		EP2007/052903	3/27/2007	
ROC920060064PCT1	PCT		EP2007/055495	6/5/2007	
YOR920050016PCT1	PCT		US2006/010038	3/17/2006	

END OF EXHIBIT B