

# **EXHIBIT 8**

SUBJECT TO PROTECTIVE ORDER  
CONTAINS HIGHLY CONFIDENTIAL – ATTORNEYS' EYES ONLY INFORMATION

**Exhibit 3A  
Summary of Samsung License Agreements**

Licensor	Licensor	Title	Effective Date	Date Last Signed	Term	Licensed Products/Technology	Geographic Scope	Payments	Source
1	Samsung Electronics Co. Ltd.	Telecommunications Patent License Agreement	1/1/2006	7/9/2007	3/31/2011	Telecommunication Products relating to GSM (including GPRS and EDGE), WCDMA (including HSPA), and TDMA (except PDC and PH5) standards. The definition of standards does not include WiFi (802.11) and WiMax (802.16)	Worldwide	[REDACTED]	S-794-ITC-005517418 to S-794-ITC-005517432
2	Samsung Electronics Co. Ltd.	Patent Cross License Agreement	1/1/1993	2/8/1993	12/31/2002	Semiconductor Material, Semiconductor Device or Integrated Circuit Excluding Intel Proprietary Products, Intel Flash Memory Products, and Samsung Proprietary Products	Worldwide	[REDACTED]	S-794-ITC-000000040 to S-794-ITC-000000049
3	Samsung Electronics Co. Ltd.	Amendment Number 1 to the Patent Cross License Agreement	3/18/2003	3/18/2003	N/A	Intel Flash Memory Products	Worldwide	[REDACTED]	S-794-ITC-000000021 to S-794-ITC-000000025
4	Samsung Electronics Co. Ltd.	Amendment Number 2 to the Patent Cross License Agreement	7/1/2004	N/A	7/1/2009	Licensed Products as defined in Patent Cross License Agreement effective 1/1/1993 Chipsets, NAND Flash Memory and Intel Flash Memory Products	Worldwide	[REDACTED]	S-794-ITC-000000026 to S-794-ITC-000000039
5	Samsung Electronics Co. Ltd.	Cellular Cross License Agreement	9/30/2000	N/A	12/31/2004	Subscriber Terminals relating to TDMA Standards, Narrowband CDMA Standards and Wideband CDMA Standards	Worldwide	[REDACTED]	S-794-ITC-005280285 to S-794-ITC-005280348
6	Samsung Electronics Co. Ltd.	License Extension Agreement	6/30/2005	6/30/2005	6/30/2005	N/A	N/A	[REDACTED]	S-794-ITC-005280348 to S-794-ITC-005280374
7	Samsung Electronics Co. Ltd.	Wireless Communication Cross License Agreement	7/1/2005	9/25/2005	12/31/2010	Subscriber Terminals, Infrastructure Equipment, NICS, Access Fronts, WLAN/Wireless Broadband Switch and Wireless Bridges relating to TDMA Standards, Narrowband CDMA Standards, Wideband CDMA Standards, WLAN Standards, Wireless Broadband Standards and DECT Standards	Worldwide	[REDACTED]	S-794-ITC-005216440 to S-794-ITC-005216462

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Licensee	Licensor	Title	Effective Date	Date Last Signed	Term	Licensed Products/Technology	Geographic Scope	Payments	Source
8 Samsung Electronics Co Ltd.	Nokia Corporation	License Agreement	10/1/2009	10/21/2009	12/31/2006 and 6/30/2008 (depending on Licensed Product)	GSM Subscriber Terminals, CDMA Subscriber Terminals, WCDMA Subscriber Terminals and Infrastructure Equipment	N/A	[REDACTED]	S-794-ITC-000001583 to S-794-ITC-000001602
9 Samsung Electronics Co Ltd.	Nokia Corporation	License Agreement	6/18/2010	6/30/2010	12/31/2013 Option to extend to 12/31/2018 or 12/31/2022	Subscriber Terminal(s) and/or Infrastructure Equipment that implement a wireless air interface in accordance with one or more Cellular Standards which includes GSM Standard, WCDMA Standard, CDMA Standard, TD-SCDMA Standard and/or LTE Standard	N/A	[REDACTED]	S-794-ITC-000001547 to S-794-ITC-000001582
10 Samsung Electronics Co Ltd.	Qualcomm Inc.	Infrastructure and Subscriber Unit License and Technical Assistance Agreement	8/31/1993	9/3/1993	Continuous	Subscriber Unit, Cordless Base Station, Components, and Infrastructure Equipment solely for use in Wireless Applications  Wireless Applications are CDMA-based Digital Cellular Systems, Personal Communications Systems, Wireless PABX Systems, commercial telemetry for information gathering, commercial security system for alarming applications, RF LAN applications, Cordless Telephone applications and any other CDMA wireless applications currently licensed by Qualcomm to its existing CDMA Subscriber Unit and Infrastructure licensees as of the Effective Date of the Agreement		[REDACTED]	AMNDCA00052124 AMNDCA00052161
11 Samsung Electronics Co Ltd.	Qualcomm Inc.	Amendment to Infrastructure and Subscriber Unit License and Technical Assistance Agreement	11/17/1997	11/17/1997	N/A	Subscriber Unit, Cordless Base Station, Components, and Infrastructure Equipment	N/A	[REDACTED]	SAMNDCA00052164 to SAMNDCA00052165

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12 Samsung Electronics Co Ltd.	Qualcomm Inc	Amendment to Infrastructure and Subscriber Unit License and Technical Assistance Agreement	3/29/2004	3/29/2004	2 years from Effective Date with an option to renew	Eligible Subscriber Unit is a Qualifying Subscriber Unit (defined as a Subscriber Unit implementing CDMA technology in compliance with the IS-95, cdma2000, WCDMA and/or UMTS standards) that incorporates a CDMA ASIC that is for use in the Rest of the World (i.e., not in Korea)	Worldwide	[REDACTED]	SAMNDCA00052116 SAMNDCA00052123
13 Samsung Electronics Co Ltd.	Qualcomm Inc	Amendment to Infrastructure and Subscriber Unit License and Technical Assistance Agreement	12/25/2005	12/26/2005	N/A	N/A	N/A	[REDACTED]	SAMNDCA00052166 SAMNDCA00052169
14 Samsung Electronics Co Ltd.	Qualcomm Inc	Amendment to Infrastructure and Subscriber Unit License and Technical Assistance Agreement	1/1/2009	1/4/2009	12/31/2023	Royalty-Bearing Subscriber Units means (i) all Subscriber Units that are Telephones; (ii) all Subscriber Units that are Laptop Computer Subscriber Units not covered by clause (i) above; and (iii) any type of Subscriber Unit that has been or is introduced (e.g., marketed, offered for sale or sold) by Samsung no later than 6 months following the execution of this Agreement and not covered under clauses (i) and (ii) above. Does not include GSM-only Subscriber Units  Royalty-Bearing Modem card means all Modem Cards other than GSM-only Modem Cards  CDMA Femtocell means a Femtocell that is used to connect to a wireless network that operates utilizing one or more CDMA Standards	Worldwide	[REDACTED]	SAMNDCA00052029 SAMNDCA00052115
15 Samsung Electronics Co Ltd.	Thomson Licensing S.A. (Alcatel)	Patent License Agreement (GSM Terminals)	1/1/2000	10/3/2000	12/31/2006	GSM terminal in completely assembled, ready-to-use form, as well as Kits of Licensed Products, Built-in-Products and/or the GSM function of Dual Mode Terminals (excluding products complying with UMTS)	Worldwide	[REDACTED]	S-794-ITC-003052458 S-794-ITC-03052455
16 Samsung Electronics Co Ltd.	Thomson Licensing S.A. (Alcatel)	Amendment to the Patent License Agreement (GSM Terminals)	N/A	10/3/2000	12/31/2006	N/A	Worldwide	[REDACTED]	S-794-ITC-003052456 S-794-ITC-003052459

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17 Samsung Electronics Co Ltd.	Advanced Micro Devices, Inc	Patent License and Settlement Agreement	12/22/2010	12/22/2010	10 years (or the last to expire of the Licensed Patents)	Semiconductor Device (excluding Foundry Products), System, Manufacturing Apparatus, Foundry Products, and Party Design	Worldwide	[REDACTED]	S-794-ITC-005517442 to S-794-ITC-005517460
18 Samsung Electronics Co Ltd.	British Telecommunications	Patent Cross License	3/24/2004	3/24/2004	10 years	Telecommunication Products or Services	Worldwide	[REDACTED]	S-794-ITC-000000001 to S-794-ITC-000000020
19 Samsung Electronics Co Ltd.	Dolby Laboratories Licensing Corporation	Patent License Agreement	1/1/2009	10/8/2009	12/31/2013	Mobile phone handsets, set-top boxes, MP3 players, personal computers, servers, telecommunication mobiles, PC/MCIA cards, Blu-ray Disc (BD) players, optical disc drives, DVD players, televisions, IPTVs, camcorders, home theater equipment, monitors and components and software in connection with the practice of the AAC Standard	Worldwide	[REDACTED]	SAMINDCA00326285 to SAMINDCA00326293
20 Samsung Electronics Co Ltd.	Global Foundries, Inc	Patent License Agreement	12/22/2010	12/22/2010	10 years	Manufacturing Apparatus, Semiconductor Device (excluding Foundry Products), System or Party Designs as incorporated into a Foundry Product	Worldwide	[REDACTED]	S-794-ITC-005517461 to S-794-ITC-005517476
21 Samsung Electronics Co Ltd.	International Business Machines Corporation	License Reference Number: L106170	12/22/2010	12/22/2010	Last to expire of the Licensed Patents	Information Handling System Products (excluding System & Products)	Worldwide	[REDACTED]	S-794-ITC-0000000245 to S-794-ITC-0000000273
22 Samsung Electronics Co Ltd.	InterDigital Technology Corporation, Taaniv, Communications, Inc., IPR Licensing, Inc., InterDigital Patent Holdings, Inc., InterDigital Communications, LLC	Patent License and Settlement Agreement	1/24/2008	1/14/2009	12/31/2012	Terminal Unit or Infrastructure Equipment designed to work in accordance with: (i) one or more 2G Standards (US-TDMA, GSM, GPRS, and EDGE) but not also any 3G Standard (CDMA2000 1XRTT, CDMA2000 EV-DV, CDMA2000 EV-DO Rev A, CDMA2000 EV-DO Rev B, and WCDMA) or Excluded Standards and (ii) one or more 3G Standards but no Excluded Standards  Excluded Standards include all wireless communication standards other than the 2G Standards, 3G Standards, WiFi (802.11), Bluetooth (802.15.1), and 802.21	Worldwide	[REDACTED]	SAMIDCA00366019 to SAMIDCA00366052
23 Samsung Electronics Co Ltd.	Lucent Technologies Inc	Patent License Agreement	1/1/2004	3/31/2005	Earliest of (i) last to expire of the Licensed Patents, (ii) 12/31/09 or (iii) material breach or insolvency	Wireless Terminals and Wireless Infrastructure	Worldwide	[REDACTED]	S-794-ITC-005286933 to S-794-ITC-005286952

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24 Samsung Electronics Co. Ltd.	Lucent Technologies Inc.	Agreement	6/29/1999	6/29/1999	N/A	Wireless Terminals	Worldwide	[REDACTED]	SAMDCA11230780 to SAMDCA11230787
25 Samsung Electronics Co. Ltd.	Lucent Technologies GRU LLC	Patent License Agreement	6/3/2003	6/3/2003	Earliest of (i) last to expire of the Licensed Patents or for as much of a term as the grantor has the right to grant or (ii) 12/31/03	Wireless Terminals	Worldwide	[REDACTED]	S-794-ITC-0052N2911 to S-794-ITC-005283926
26 Samsung Electronics Co. Ltd.	Micron Technology, Inc.	Patent Cross-License Agreement	10/1/2010	10/1/2010	Last to expire of the Licensed Patents or 10 years	All products	Worldwide	[REDACTED]	S-794-ITC-000000030 to S-794-ITC-000000063
27 Samsung Electronics Co. Ltd.	Microsoft Corporation	Confidential Patent License Agreement	7/1/2011	9/27/2011	7 years	Android Smartphones and Android Tablets	Worldwide	[REDACTED]	S-794-ITC-005517484 to S-794-ITC-005517506
28 Samsung Electronics Co. Ltd.	NEC Corporation	Patent License Agreement for Mobile Products	6/30/2004	6/30/2004	12/31/2010	End User Terminals and Infrastructure Equipment relating to GSM/GPRS, IS-136, PDC/PHS, cdma2000 1x, cdma2000 1x EV-DO, cdma2000 1x EV-DV, cdma2000 3x, W-CDMA, EDGE, TD-SCDMA, PMR	Worldwide	[REDACTED]	SAMNDCA11230874 to SAMNDCA11230888
29 Samsung Electronics Co. Ltd.	Telefonaktiebolaget L.M. Ericsson	Patent License Agreement	12/18/2001	12/18/2001	12/31/2005	ASIC, Module, Infrastructure Equipment or End User Terminal relating to GSM, GPRS, WCDMA, EDGE and TDMA (except PDC and PHS) standards	Worldwide	[REDACTED]	SAMNDCA11230766 to SAMNDCA11230779

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Licensor	Title	Effective Date	Date Last Signed	Term	Licensed Products/Technology	Geographic Scope	Payments	Source
Samsung Electronics Co. Ltd.	Corporate Patent Cross License Agreement	4/1/2004	12/14/2004	Earlier of 12/31/08 or the expiration of the license, non-assert, and releases granted under the Agreement	Complete Electronic Products, Battery Packs, Media, Drives, and Refill Accessories and does not include Manufacturing Equipment	Worldwide	[REDACTED]	S-794-ITC-005287296 to S-794-ITC-005287336
Samsung Electronics Co. Ltd.	GSM/DCS 1800/1900 Patent License Agreement	2/22/1999	2/22/1999	12/31/2002	GSM Terminal, DCS 1800/1900 Terminal or Comb-Terminal	Worldwide	[REDACTED]	S-794-ITC-003052419 to S-794-ITC-003052431
Samsung Electronics Co. Ltd.	Patent License Agreement	10/5/2009	10/5/2009	Last to expire of the Assigned Patents	Picel products include file viewer software products All Samsung products	Worldwide	[REDACTED]	SAMIDCA00330453 to SAMIDCA00330474
Samsung Electronics Co. Ltd.	Patent License Agreement First Amendment	N/A	4/21/2010	N/A	Picel products include file viewer software products	N/A	[REDACTED]	S-794-ITC-000001397 to S-794-ITC-000001402
Samsung Electronics Co. Ltd.	Settlement Agreement	N/A	4/25/2008	N/A	Semiconductor products	Worldwide	[REDACTED]	S-ITC-003455062 to S-ITC-003455065
Samsung Electronics Co. Ltd.	Addendum to the Settlement Agreement	4/25/2008	4/27/2009	5 years	Semiconductor products	Worldwide	[REDACTED]	S-794-ITC-000005162 to S-794-ITC-000005167
Samsung Electronics Co. Ltd.	Patent License Agreement	July 2006	8/14/2006	4 years with an extension option of 4 years	Handheld electronic mail device or handheld terminal	Worldwide	[REDACTED]	SAMINDCA00323440 to SAMINDCA00323448
Samsung Electronics Co. Ltd.	Patent License Agreement	12/31/2003	1/14/2004	12/31/2007	Digital cellular mobile radio telecommunication terminals, modules with mobile radio telecommunication functionality and spare parts relating to GSM, GPRS, WCDMA, UMTS, EDGE, TDMA, TD-SCDMA, and DECT Standards, but not the IS-95 and cdma2000 standards	Worldwide	[REDACTED]	S-794-ITC-003052584 to S-794-ITC-003052592
Samsung Electronics Co. Ltd.	Patent License Agreement	4/1/2008	7/9/2008	10 years	All communication devices which can be used to transfer, initiate or receive data and/or voice transmissions that includes mobile transposable or handheld portable subscriber terminal equipment	Worldwide	[REDACTED]	S-794-ITC-000000274 to S-794-ITC-000000284

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**Exhibit 3B**  
**Summary of Apple UMTS License Agreements**

Licensee	Licensor	Title	Effective Date	Date Last Signed	Term	Licensed Products/Technology	Geographic Scope	Payments	Source
1 Apple Inc.	Koninklijke Philips Electronics N.V.	Wireless Patent License Agreement	10/1/2010	1/12/2012	10 years	Mobile Wireless Communication Equipment that is fully compliant with CDMA2000, GSM, LTE, and UMTS standards	Worldwide	[REDACTED]	APL7940018564430 to APL7940018564473
2 Apple Inc.	Koninklijke Philips Electronics N.V. and Sharp Corporation	Wireless Patent License Agreement	10/1/2010	12/20/2011	10 years	Mobile Wireless Communication Equipment that is fully compliant with CDMA2000, GSM, LTE, and UMTS standards	Worldwide	[REDACTED]	APL7940018564474 to APL7940018564504
3 Apple Inc.	Nokia Corporation	Patent License Agreement	6/1/2011	6/1/3/2011	12/31/2016	Wireless Products such as an end-user terminal or any other therewith comparable product, including without limitation mobile phones, handsets, smart phones, tablet computers and laptop computers, which is capable of transmitting and/or receiving wireless communications in accordance with any of the CDMA2000, GSM, LTE, WiMax or UMTS Standards	Worldwide	[REDACTED]	APLND000038188 to APLND000038208; APL7940018048471 to APL7940018048496
4 Apple Inc.	InterDigital Group Technology Corporation	Wireless Patent License Agreement	6/29/2007	9/6/2007	7 years	Apple Phones operating under TDMA and CDMA-based second and third generation mobile voice and data standards: GSM, GPRS, EDGE, PDC, PH5, and W-CDMA (through release 7 and any HSPA specifications included in release 8) regardless of the frequency used and including any updates	Worldwide	[REDACTED]	APLND00001226533 to APLND00001226549
5 Apple Inc.	Telefonaktiebolaget LM Ericsson	Global Patent License Agreement	1/14/2008	1/18/2008	Last to expire of the Licensed Patents not to exceed 7 years	Modules, Infrastructure Equipment and End-User Terminals relating to GSM, GPRS, EDGE, and WCDMA (including UMTS) - including all HSPA releases Does not include LTE Standard	Worldwide	[REDACTED]	APLND00001247678 to APLND00001247696; APLND00001247696 to WH00006551184 to APLND0000655203
6 Apple Inc.	SPH America, LLC and President, Dr. Chooengsoo Park	Settlement and License Agreement	12/31/2009	12/31/2009	Expiration of the last to expire of Dr. Park Patents	Apple product, product line, service, device, system, component, hardware, software and any combination thereof	Worldwide	[REDACTED]	APLND00000434443 to APLND00000434463
7 Apple Inc.	WIAV Networks, LLC	Settlement and License Agreement	12/31/2009	12/31/2009	Expiration of the last to expire of WIAV Patents	Apple product, product line, service, device, system, component, hardware, software and any combination thereof	Worldwide	[REDACTED]	APLND00000434664 to APLND00000434877
8 Apple Inc.	WIAV Solutions LLC	Settlement and License Agreement	12/29/2008	1/5/2009	Expiration of the last to expire of WIAV Patents	Apple product, product line, service, device, system, component, hardware, software and any combination thereof. Patents referenced in Exhibit B are limited to the Wireless Handsets field of use. Patents referenced in Exhibit C are for all fields of use.	Worldwide	[REDACTED]	APLND00000454878 to APLND00000454912



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Exhibit 3B  
Summary of Apple UMTS License Agreements

Licensor	Licensor	Title	Effective Date	Date Last Signed	Term	Licensed Product/Technology	Geographic Scope	Payment	Source
9	Apple Inc.	Siemens Aktiengesellschaft Patent License Agreement	10/2/2008	10/2/2008	Later of (i) expiration of the last of the Siemens Licensed Patents (i) expiration of the last of the Apple License Patents	Cellular phone, smart phone or handheld mobile communication device that is actually or claimed to be compliant with one or more of the GSM/GPRS Standard and the UMTS Standard. Products do not include stand alone PCMCIA cards, modules, and/or modems and a handheld mobile communication device is limited to a device that is designed to be used by holding it in one hand.  Communication Equipment in the form of (1) Infrastructure equipment and (2) terminal units that is actually or claimed to be compliant with one or more of the GSM/GPRS Standard and the UMTS Standard	Worldwide	APLND- WH0000454913 to APLND- WH0000454934	
10	Apple Inc.	SPH America, LLC Settlement and License Agreement	12/31/2009	12/31/2009	Expiration of the last to expire of SPH Patents	Apple product, product line, service, device, system, component, hardware, software and any combination thereof	Worldwide	APLND- WH0000454935 to APLND- WH0000454948	
11	Apple Inc.	SPH America, LLC Settlement and License Agreement	12/31/2009	12/31/2009	Expiration of the last to expire of SPH Patents	Apple product, product line, service, device, system, component, hardware, software and any combination thereof	Worldwide	APLND- WH0000454951 to APLND- WH0000454969	
12	Apple Inc.	MSTG, Inc. Standstill and Option Agreement	11/10/2009	11/10/2009	Expiration of the last to expire of MSTG Patents	Apple product, service, device, system, hardware, software, or other offering	Worldwide	APLND- WH0000454970 to APLND- WH0000454987	
13	Apple Inc.	SPH America, LLC Settlement and License Agreement	12/31/2009	12/31/2009	Expiration of the last to expire of SPH Patents	Apple product, product line, service, device, system, component, hardware, software and any combination thereof	Worldwide	APLND- WH0000454988 to APLND- WH0000455002	
14	Apple Inc.	Electronics and Telecommunications Research Institute Apple - ETRI Collaboration Agreement	12/31/2009	12/31/2009	Expiration of the last to expire of ETRI Patents	Apple product, product line, service, device, system, component, hardware, software and any combination thereof compliant with at least one of the following standards: all standards reasonably considered to be 2G cellular telecommunication standards (e.g., TDMA, CDMA) and all standards reasonably considered to be 3G cellular telecommunication standards (e.g., 3GPP-related standards such as UMTS and 3GPP-2 related standards such as cdma2000)	Worldwide	APLND- WH0000455003 to APLND- WH0000455044	
15	Apple Computer Inc.	Telefonaktiebolaget LM Ericsson Patent License - Narrowband AMR and Wideband AMR Standards	6/3/2003	5/19/2003	5 years	Decoder or Encoder software providing at least one channel compliant with the AMR Standards (Adaptive Multi-Rate Narrowband and the Wideband technical specifications of 3GPP that are specified in Appendix B of the Agreement) which is neither an Implementation or a Personal Computer Product	Worldwide	APLND- WH0000655159 to APLND- WH0000655183	