

Search Notes 	Application/Control No. 11614429	Applicant(s)/Patent Under Reexamination BALIARDA ET AL.
	Examiner MARISOL FIGUEROA	Art Unit 2643

CPC- SEARCHED		
Symbol	Date	Examiner

CPC COMBINATION SETS - SEARCHED		
Symbol	Date	Examiner

US CLASSIFICATION SEARCHED			
Class	Subclass	Date	Examiner
455	575.5	07/23/2010	S.H.
455	575.7	12/26/2013	MF

SEARCH NOTES		
Search Notes	Date	Examiner
See EAST Search History	07/23/2010	S.H.
Inventor Search: EAST	07/23/2010	S.H.
Updated EAT keyword search.	3/7/2013	MF
Updated EAST keyword search and inventor search in EDAN.	12/26/2013	MF

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner
455	575.5	7/23/2010	S. H.
455	575.7	12/26/2013	MF
	Keyword interference search in PG-PUB, USPAT, and UPAD databases.	12/26/2013	MF

/STAMFORD HWANG/ Examiner.Art Unit 2617	
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Search Notes 	Application/Control No. 11614429	Applicant(s)/Patent Under Reexamination BALIARDA ET AL.
	Examiner MARISOL FIGUEROA	Art Unit 2643

CPC- SEARCHED		
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CPC COMBINATION SETS - SEARCHED		
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US CLASSIFICATION SEARCHED			
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455	575.5	07/23/2010	S.H.

SEARCH NOTES		
Search Notes	Date	Examiner
See EAST Search History	07/23/2010	S.H.
Inventor Search: EAST	07/23/2010	S.H.
Updated EAT keyword search.	3/7/2013	MF

INTERFERENCE SEARCH			
US Class/ CPC Symbol	US Subclass / CPC Group	Date	Examiner

/STAMFORD HWANG/ Examiner.Art Unit 2617	
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Search Notes 	Application/Control No. 11614429	Applicant(s)/Patent Under Reexamination BALIARDA ET AL.
	Examiner STAMFORD HWANG	Art Unit 2617

SEARCHED			
Class	Subclass	Date	Examiner
455	575.5	07/23/2010	S.H.

SEARCH NOTES		
Search Notes	Date	Examiner
See EAST Search History	07/23/2010	S.H.
Inventor Search: EAST	07/23/2010	S.H.

INTERFERENCE SEARCH			
Class	Subclass	Date	Examiner

/STAMFORD HWANG/ Examiner.Art Unit 2617	
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EAST Search History**EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	((wireless mobile handheld) near4 (device terminal station telephone phone) and ground near3 layer and antenna near3 element and frequency near3 band and permimeter near3 elment and antenna near2 contour and complexity near3 factor).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 12:27
L3	1559	455/575.7.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 12:51
L4	170	(antenna near3 (element section part)) same (contour perimeter) near4 (length distance dimension)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 12:51
L6	1	3 and L4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 12:51
L7	429	perimeter with antenna with (measurement length factor complexity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 12:54
L9	3	3 and L7	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 12:54
L10	9	3 and complexity near4 (factor dimension length perimeter contour)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 12:55
L11	233	3 and (factor dimension length	US-PGPUB;	OR	ON	2013/12/26

		perimeter contour) same antenna near3 element	USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB			12:55
L12	19	11 and ("1.20" "1.75" "1.5")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 12:56
S1	5	(antenna and complexity near2 factor).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/23 14:44
S3	428	perimeter with antenna with (measurement length factor complexity)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/23 15:33
S4	168	S3 and (antenna near3 (section element)) same (conductive plate microstrip)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/23 15:33
S5	9	S4 and "455".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/23 15:34
S6	56	S4 and (multi multiple plurality) near4 band	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/23 15:39
S9	31399	(antenna near3 (element section part)) same (dimension distance complexity near3 factor length)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 10:31
S10	170	(antenna near3 (element section part)) same (contour perimeter) near4 (length distance dimension)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	OR	ON	2013/12/26 10:31

			IBM_TDB			
S11	6	(antenna near3 (element section part)) same (contour perimeter) near4 (length distance dimension) same equation	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 10:33
S12	24	S10 and grid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 10:33
S13	146	S10 not S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 10:43
S14	6	S13 and "455".clas.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 10:44
S15	27	S13 and (plurality multi multiple) near3 band	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 10:53
S21	2	antenna near3 contour with segment same (box gris) and orthogonal near3 projection	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 11:07
S22	2	antenna near3 contour with segment same (box grid) and orthogonal near3 projection	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 11:07
S23	0	antenna near3 contour with segment same (box grid) same rectangle same diagonal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2013/12/26 11:08

12/ 26/ 2013 1:11:24 PM

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EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	123	((carles near baliarda) or (josep near mumbru) or (jordi near ilario)).in.	US-PGPUB; USPAT	ADJ	OFF	2011/02/24 17:21
L8	123	L7	US-PGPUB; USPAT	ADJ	OFF	2011/02/24 17:21
L9	2	L7 and (complexity near factor)	US-PGPUB; USPAT	ADJ	OFF	2011/02/24 17:21
L10	2	L9	US-PGPUB; USPAT	ADJ	OFF	2011/02/24 17:21
S1	112	((carles near baliarda) or (josep near mumbru) or (jordi near ilario)).in.	US-PGPUB; USPAT	ADJ	OFF	2010/06/16 16:04
S2	0	"20080018543".in.	US-PGPUB; USPAT	ADJ	OFF	2010/06/16 16:05
S3	1	"20080018543".pn.	US-PGPUB; USPAT	ADJ	OFF	2010/06/16 16:05
S4	2	S1 and (complexity near factor)	US-PGPUB; USPAT	ADJ	OFF	2010/06/16 16:06
S5	1	"6275198".pn.	US-PGPUB; USPAT	ADJ	OFF	2010/06/16 16:07
S6	366	complexity factor	US-PGPUB; USPAT	ADJ	OFF	2010/06/17 10:14
S7	0	complexity factor and 455/575.7.ccls.	US-PGPUB; USPAT	ADJ	OFF	2010/06/17 10:14
S8	6	complexity factor and "455".clas.	US-PGPUB; USPAT	ADJ	OFF	2010/06/17 10:14

S9	42	complexity factor and antenna	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:09
S10	7	complexity factor same antenna	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:09
S11	1	"6275198".pn.	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:11
S12	1586	(455/575.5 or 455/575.7 or 455/19 or 455/107 or 455/121).ccls.	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:24
S13	0	S12 and complexity factor	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:24
S14	153	S12 and (antenna same factor)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:24
S15	14	S12 and (antenna same quality near factor)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:28
S16	116	S12 and (antenna same factor) and (function or formula or equation)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:29
S17	28	S12 and (antenna same factor) and (formula or equation)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:31
S18	4	S12 and (antenna same factor) and (formula or equation or function) and log	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:32
S19	584	log near "1/2"	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:35
S20	0	S19 and S12	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:35
S21	0	S19 and "455".clas.	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:36
S22	654	log near3 "1/2"	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:36

S23	0	S21 and "455".clas.	US- PGPUB; USPAT	ADJ	OFF	2010/07/08 10:36
S24	40	smartphone same (slide or clamshell)	US- PGPUB; USPAT	ADJ	OFF	2010/07/08 10:39
S25	49	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same touchscreen and (clamshell)	US- PGPUB; USPAT	ADJ	OFF	2010/07/08 10:42
S26	0	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same touchscreen and (clamshell) and (1gb or gigabyte or giga? byte)	US- PGPUB; USPAT	ADJ	OFF	2010/07/08 11:00
S27	0	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same touchscreen and (clamshell or slid\$) and (1gb or gigabyte or giga?byte)	US- PGPUB; USPAT	ADJ	OFF	2010/07/08 11:01
S28	1	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) and (display same "75,000")	US- PGPUB; USPAT	ADJ	OFF	2010/07/08 11:01
S29	1364	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) and (display near4 pixel)	US- PGPUB; USPAT	ADJ	OFF	2010/07/08 11:02

S30	0	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) and (display near4 pixel same color level)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:02
S31	0	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same (memory near (gigabyte or giga? byte))	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:03
S32	41	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) and (memory near (gigabyte or giga? byte))	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:03
S33	10	"455".clas. and (memory near (gigabyte or giga? byte))	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:04
S34	195	("2" or two) near (megapixel or mega pixel or mega?pixel)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:05
S35	0	("2" or two) near (megapixel or mega pixel or mega?pixel) same giga	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:06
S36	0	("2" or two) near (megapixel or mega pixel or mega?pixel) and giga	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:06
S37	15	("2" or two) near (megapixel or mega pixel or mega?pixel) and giga\$	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:06
S38	9	("2" or two) near (megapixel or mega pixel or mega?pixel) and "455".clas.	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:07

S39	47506	(function or equation) same log	US- PGPUB; USPAT	ADJ	OFF	2010/07/21 11:16
S40	527	(function or equation) same log same antenna	US- PGPUB; USPAT	ADJ	OFF	2010/07/21 11:16
S41	13	(function or equation) same log same antenna same grid	US- PGPUB; USPAT	ADJ	OFF	2010/07/21 11:16
S42	563	memory near3 ("1" or one) near (giga?byte or giga byte or gigabyte)	US- PGPUB; USPAT	ADJ	OFF	2010/07/21 13:54
S43	0	memory near3 ("1" or one) near (giga?byte or giga byte or gigabyte) and flashlight	US- PGPUB; USPAT	ADJ	OFF	2010/07/21 13:55
S44	0	memory near3 ("1" or one) near (giga?byte or giga byte or gigabyte) and flash? light	US- PGPUB; USPAT	ADJ	OFF	2010/07/21 13:55
S45	6	memory near3 ("1" or one) near (giga?byte or giga byte or gigabyte) and (optical zoom or digital zoom or (megapixel near camera))	US- PGPUB; USPAT	ADJ	OFF	2010/07/21 13:56
S46	0	"65000" near color same "70000" pixel	US- PGPUB; USPAT	ADJ	OFF	2010/07/21 14:05
S47	0	"65000" near color and "70000" pixel	US- PGPUB; USPAT	ADJ	ON	2010/07/21 14:05
S48	0	"65000" near color same mobile terminal	US- PGPUB; USPAT	ADJ	ON	2010/07/21 14:05
S49	0	65k near color same mobile terminal	US- PGPUB; USPAT	ADJ	ON	2010/07/21 14:05
S50	7	"65536" near color same mobile terminal	US- PGPUB; USPAT	ADJ	ON	2010/07/21 14:06

S51	0	"65536" near color and "70000" pixel	US-PGPUB; USPAT	ADJ	ON	2010/07/21 14:06
S52	283	display near size same mobile terminal	US-PGPUB; USPAT	ADJ	ON	2010/07/21 14:08
S53	867	resolution same mobile terminal	US-PGPUB; USPAT	ADJ	ON	2010/07/21 14:13
S54	65	resolution near4 pixel same mobile terminal	US-PGPUB; USPAT	ADJ	ON	2010/07/21 14:13
S55	0	resolution near4 pixel same mobile terminal and "65536"	US-PGPUB; USPAT	ADJ	ON	2010/07/21 14:14
S56	33	resolution near4 pixel and "65536" near color	US-PGPUB; USPAT	ADJ	ON	2010/07/21 14:14
S57	7	memory near3 ("1" or one) near (giga?byte or giga byte or gigabyte) and (optical zoom or digital zoom or ((megapixel or mega pixel or mega? pixel) near camera))	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:17
S58	10	memory near3 ("1" or one) near (giga?byte or giga byte or gigabyte) and (optical zoom or digital zoom or ((megapixel or mega pixel or mega? pixel) near2 camera))	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:17
S59	10	memory near3 ("1" or one or two or three or ten) near (giga?byte or giga byte or gigabyte) and (optical zoom or digital zoom or ((megapixel or mega pixel or mega?pixel) near2 camera))	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:18

S60	10	memory near3 ("1" or one) near (giga?byte or giga byte or gigabyte) and (optical near2 zoom or digital near2 zoom or ((megapixel or mega pixel or mega?pixel) near2 camera))	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:20
S61	21	memory near3 ("1" or one) near (giga?byte or giga byte or gigabyte) and ((zoom same camera) or ((megapixel or mega pixel or mega?pixel) near2 camera))	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:21
S62	61	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) and (clamshell or flip or slide) and (antenna near3 (resid\$3))	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:27
S63	750	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same (clamshell or flip or slide) and (antenna)	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:28
S64	565	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same (clamshell or flip or slide) and (antenna near3 resid\$3 or dispos \$3)	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:29

S65	119	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same (clamshell or flip or slide) same(antenna near3 resid\$3 or dispos \$3)	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:29
S66	119	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same (clamshell or flip or slide) same (antenna near3 resid\$3 or dispos \$3)	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:29
S67	10	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same (clamshell or flip or slide) same (antenna near3 (resid\$3 or dispos\$3))	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:30
S68	1	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same (clamshell or flip or slide) same (antenna near3 (resid\$3 or dispos\$3)) and (smartphone or smart phone or smart?phone or multimedia phone or multi?media phone or multi media phone)	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:37

S69	4	(clamshell or flip or slide) same (antenna near3 (resid\$3 or dispos\$3)) and (smartphone or smart phone or smart?phone or multimedia phone or multi?media phone or multi media phone)	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:37
S70	32	("1710" near mhz or "1990" near mhz) same mobile terminal	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 15:54
S71	72	("1900" near mhz or "2170" near mhz) same mobile terminal	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 15:55
S72	14	("1900" near mhz or "2170" near mhz) same mobile terminal same umts	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 15:59
S73	4	"20060290573" OR "20050264453"	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 16:14
S74	2	S73 and log	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 16:15
S75	0	processor near3 (coupl \$3 or connect\$3) near3 memory near3 (one near (gigabyte or giga?byte or giga byte))	US-PGPUB; USPAT	ADJ	OFF	2010/07/22 12:03
S76	0	processor near3 (coupl \$3 or connect\$3) near3 memory same (one near (gigabyte or giga?byte or giga byte))	US-PGPUB; USPAT	ADJ	OFF	2010/07/22 12:03
S77	10	processor near3 memory same (one near (gigabyte or giga?byte or giga byte))	US-PGPUB; USPAT	ADJ	OFF	2010/07/22 12:04
S78	0	(thickness near4 5mm) same mobile terminal	US-PGPUB; USPAT	ADJ	OFF	2010/07/22 13:57
S79	0	(thickness near4 5mm) same mobile	US-PGPUB; USPAT	ADJ	OFF	2010/07/22 13:57

S80	954	(thickness near4 (mm or millimeter)) same mobile	US-PGPUB; USPAT	ADJ	OFF	2010/07/22 13:58
S81	16	(thickness near4 (mm or millimeter)) same mobile terminal	US-PGPUB; USPAT	ADJ	OFF	2010/07/22 13:58
S82	36	pda same (microsoft office) same (word or excel or powerpoitn)	US-PGPUB; USPAT	ADJ	OFF	2010/07/23 10:04
S83	0	pda same (microsoft office) same (word and excel and powerpoitn)	US-PGPUB; USPAT	ADJ	OFF	2010/07/23 10:04
S84	0	smartphone same (microsoft office) same (word or excel or powerpoitn)	US-PGPUB; USPAT	ADJ	OFF	2010/07/23 10:07
S85	6	(smartphone or smart? phone or smart phone or mobile terminal or mobile station or mobile unit or mobile device) same (microsoft office) same (word or excel or powerpoitn)	US-PGPUB; USPAT	ADJ	OFF	2010/07/23 10:08
S86	20	(smartphone or smart? phone or smart phone or mobile terminal or mobile station or mobile unit or mobile device) same (microsoft office)	US-PGPUB; USPAT	ADJ	OFF	2010/07/23 10:11
S87	21	(thickness with (mm or millimeter)) same mobile terminal	US-PGPUB; USPAT	ADJ	OFF	2010/07/23 10:25
S88	0	body near3 (thickness with (mm or millimeter)) same (mobile terminal or mobile station or mobile unit or mobile device or mobile telephone)	US-PGPUB; USPAT	ADJ	OFF	2010/07/23 10:25

S89	13	body same (thickness with (mm or millimeter)) same (mobile terminal or mobile station or mobile unit or mobile device or mobile telephone)	US-PGPUB; USPAT	ADJ	OFF	2010/07/23 10:26
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EAST Search History (I nterference)

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2/ 24/ 2011 5:21:36 PM

C:\ Documents and Settings\ shwang\ Desktop\ Applications\ 11-614429 Multiple-Body-Configuration Multimedia and Smartphone Multifunction Wireless Device\ 11-614429 Multiple-Body-Configuration Multimedia and Smartphone Multifunction Wireless Device. wsp

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	36	pda same (microsoft office) same (word or excel or powerpoitn)	US-PGPUB; USPAT	ADJ	OFF	2010/07/23 10:04
L8	0	pda same (microsoft office) same (word and excel and powerpoitn)	US-PGPUB; USPAT	ADJ	OFF	2010/07/23 10:04
L9	0	smartphone same (microsoft office) same (word or excel or powerpoitn)	US-PGPUB; USPAT	ADJ	OFF	2010/07/23 10:07
L10	6	(smartphone or smart? phone or smart phone or mobile terminal or mobile station or mobile unit or mobile device) same (microsoft office) same (word or excel or powerpoitn)	US-PGPUB; USPAT	ADJ	OFF	2010/07/23 10:08
L11	20	(smartphone or smart? phone or smart phone or mobile terminal or mobile station or mobile unit or mobile device) same (microsoft office)	US-PGPUB; USPAT	ADJ	OFF	2010/07/23 10:11
L12	21	(thickness with (mm or millimeter)) same mobile terminal	US-PGPUB; USPAT	ADJ	OFF	2010/07/23 10:25
L13	0	body near3 (thickness with (mm or millimeter)) same (mobile terminal or mobile station or mobile unit or mobile device or mobile telephone)	US-PGPUB; USPAT	ADJ	OFF	2010/07/23 10:25

L14	13	body same (thickness with (mm or millimeter)) same (mobile terminal or mobile station or mobile unit or mobile device or mobile telephone)	US-PGPUB; USPAT	ADJ	OFF	2010/07/23 10:26
S1	112	((carles near baliarda) or (josep near mumbru) or (jordi near ilario)).in.	US-PGPUB; USPAT	ADJ	OFF	2010/06/16 16:04
S2	0	"20080018543".in.	US-PGPUB; USPAT	ADJ	OFF	2010/06/16 16:05
S3	1	"20080018543".pn.	US-PGPUB; USPAT	ADJ	OFF	2010/06/16 16:05
S4	2	S1 and (complexity near factor)	US-PGPUB; USPAT	ADJ	OFF	2010/06/16 16:06
S5	1	"6275198".pn.	US-PGPUB; USPAT	ADJ	OFF	2010/06/16 16:07
S6	366	complexity factor	US-PGPUB; USPAT	ADJ	OFF	2010/06/17 10:14
S7	0	complexity factor and 455/575.7.ccls.	US-PGPUB; USPAT	ADJ	OFF	2010/06/17 10:14
S8	6	complexity factor and "455".clas.	US-PGPUB; USPAT	ADJ	OFF	2010/06/17 10:14
S9	42	complexity factor and antenna	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:09
S10	7	complexity factor same antenna	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:09
S11	1	"6275198".pn.	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:11
S12	1586	(455/575.5 or 455/575.7 or 455/19 or 455/107 or 455/121).ccls.	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:24

S13	0	S12 and complexity factor	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:24
S14	153	S12 and (antenna same factor)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:24
S15	14	S12 and (antenna same quality near factor)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:28
S16	116	S12 and (antenna same factor) and (function or formula or equation)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:29
S17	28	S12 and (antenna same factor) and (formula or equation)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:31
S18	4	S12 and (antenna same factor) and (formula or equation or function) and log	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:32
S19	584	log near "1/2"	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:35
S20	0	S19 and S12	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:35
S21	0	S19 and "455".clas.	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:36
S22	654	log near3 "1/2"	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:36
S23	0	S21 and "455".clas.	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:36
S24	40	smartphone same (slide or clamshell)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:39
S25	49	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same touchscreen and (clamshell)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 10:42

S26	0	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same touchscreen and (clamshell) and (1gb or gigabyte or giga? byte)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:00
S27	0	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same touchscreen and (clamshell or slid\$) and (1gb or gigabyte or giga?byte)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:01
S28	1	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) and (display same "75,000")	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:01
S29	1364	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) and (display near4 pixel)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:02
S30	0	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) and (display near4 pixel same color level)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:02

S31	0	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same (memory near (gigabyte or giga? byte))	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:03
S32	41	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) and (memory near (gigabyte or giga? byte))	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:03
S33	10	"455".clas. and (memory near (gigabyte or giga? byte))	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:04
S34	195	("2" or two) near (megapixel or mega pixel or mega?pixel)	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:05
S35	0	("2" or two) near (megapixel or mega pixel or mega?pixel) same giga	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:06
S36	0	("2" or two) near (megapixel or mega pixel or mega?pixel) and giga	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:06
S37	15	("2" or two) near (megapixel or mega pixel or mega?pixel) and giga\$	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:06
S38	9	("2" or two) near (megapixel or mega pixel or mega?pixel) and "455".clas.	US-PGPUB; USPAT	ADJ	OFF	2010/07/08 11:07
S39	47506	(function or equation) same log	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 11:16
S40	527	(function or equation) same log same antenna	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 11:16

S41	13	(function or equation) same log same antenna same grid	US- PGPUB; USPAT	ADJ	OFF	2010/07/21 11:16
S42	563	memory near3 ("1" or one) near (giga?byte or giga byte or gigabyte)	US- PGPUB; USPAT	ADJ	OFF	2010/07/21 13:54
S43	0	memory near3 ("1" or one) near (giga?byte or giga byte or gigabyte) and flashlight	US- PGPUB; USPAT	ADJ	OFF	2010/07/21 13:55
S44	0	memory near3 ("1" or one) near (giga?byte or giga byte or gigabyte) and flash? light	US- PGPUB; USPAT	ADJ	OFF	2010/07/21 13:55
S45	6	memory near3 ("1" or one) near (giga?byte or giga byte or gigabyte) and (optical zoom or digital zoom or (megapixel near camera))	US- PGPUB; USPAT	ADJ	OFF	2010/07/21 13:56
S46	0	"65000" near color same "70000" pixel	US- PGPUB; USPAT	ADJ	OFF	2010/07/21 14:05
S47	0	"65000" near color and "70000" pixel	US- PGPUB; USPAT	ADJ	ON	2010/07/21 14:05
S48	0	"65000" near color same mobile terminal	US- PGPUB; USPAT	ADJ	ON	2010/07/21 14:05
S49	0	65k near color same mobile terminal	US- PGPUB; USPAT	ADJ	ON	2010/07/21 14:05
S50	7	"65536" near color same mobile terminal	US- PGPUB; USPAT	ADJ	ON	2010/07/21 14:06
S51	0	"65536" near color and "70000" pixel	US- PGPUB; USPAT	ADJ	ON	2010/07/21 14:06
S52	283	display near size same mobile terminal	US- PGPUB; USPAT	ADJ	ON	2010/07/21 14:08

S53	867	resolution same mobile terminal	US-PGPUB; USPAT	ADJ	ON	2010/07/21 14:13
S54	65	resolution near4 pixel same mobile terminal	US-PGPUB; USPAT	ADJ	ON	2010/07/21 14:13
S55	0	resolution near4 pixel same mobile terminal and "65536"	US-PGPUB; USPAT	ADJ	ON	2010/07/21 14:14
S56	33	resolution near4 pixel and "65536" near color	US-PGPUB; USPAT	ADJ	ON	2010/07/21 14:14
S57	7	memory near3 ("1" or one) near (giga?byte or giga byte or gigabyte) and (optical zoom or digital zoom or ((megapixel or mega pixel or mega?pixel) near camera))	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:17
S58	10	memory near3 ("1" or one) near (giga?byte or giga byte or gigabyte) and (optical zoom or digital zoom or ((megapixel or mega pixel or mega?pixel) near2 camera))	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:17
S59	10	memory near3 ("1" or one or two or three or ten) near (giga?byte or giga byte or gigabyte) and (optical zoom or digital zoom or ((megapixel or mega pixel or mega?pixel) near2 camera))	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:18
S60	10	memory near3 ("1" or one) near (giga?byte or giga byte or gigabyte) and (optical near2 zoom or digital near2 zoom or ((megapixel or mega pixel or mega?pixel) near2 camera))	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:20

S61	21	memory near3 ("1" or one) near (giga?byte or giga byte or gigabyte) and ((zoom same camera) or ((megapixel or mega pixel or mega?pixel) near2 camera))	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:21
S62	61	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) and (clamshell or flip or slide) and (antenna near3 (resid\$3))	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:27
S63	750	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same (clamshell or flip or slide) and (antenna)	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:28
S64	565	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same (clamshell or flip or slide) and (antenna near3 resid\$3 or dispos \$3)	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:29
S65	119	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same (clamshell or flip or slide) same(antenna near3 resid\$3 or dispos \$3)	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:29

S66	119	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same (clamshell or flip or slide) same (antenna near3 resid\$3 or dispos\$3)	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:29
S67	10	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same (clamshell or flip or slide) same (antenna near3 (resid\$3 or dispos\$3))	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:30
S68	1	(mobile station or mobile terminal or mobile device or mobile communication telephone or mboile telephone) same (clamshell or flip or slide) same (antenna near3 (resid\$3 or dispos\$3)) and (smartphone or smart phone or smart?phone or multimedia phone or multi?media phone or multi media phone)	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:37
S69	4	(clamshell or flip or slide) same (antenna near3 (resid\$3 or dispos\$3)) and (smartphone or smart phone or smart?phone or multimedia phone or multi?media phone or multi media phone)	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 14:37
S70	32	("1710" near mhz or "1990" near mhz) same mobile terminal	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 15:54
S71	72	("1900" near mhz or "2170" near mhz) same mobile terminal	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 15:55

S72	14	("1900" near mhz or "2170" near mhz) same mobile terminal same umts	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 15:59
S73	4	"20060290573" OR "20050264453"	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 16:14
S74	2	S73 and log	US-PGPUB; USPAT	ADJ	OFF	2010/07/21 16:15
S75	0	processor near3 (coupl \$3 or connect\$3) near3 memory near3 (one near (gigabyte or giga?byte or giga byte))	US-PGPUB; USPAT	ADJ	OFF	2010/07/22 12:03
S76	0	processor near3 (coupl \$3 or connect\$3) near3 memory same (one near (gigabyte or giga?byte or giga byte))	US-PGPUB; USPAT	ADJ	OFF	2010/07/22 12:03
S77	10	processor near3 memory same (one near (gigabyte or giga?byte or giga byte))	US-PGPUB; USPAT	ADJ	OFF	2010/07/22 12:04
S78	0	(thickness near4 5mm) same mobile terminal	US-PGPUB; USPAT	ADJ	OFF	2010/07/22 13:57
S79	0	(thickness near4 5mm) same mobile	US-PGPUB; USPAT	ADJ	OFF	2010/07/22 13:57
S80	954	(thickness near4 (mm or millimeter)) same mobile	US-PGPUB; USPAT	ADJ	OFF	2010/07/22 13:58
S81	16	(thickness near4 (mm or millimeter)) same mobile terminal	US-PGPUB; USPAT	ADJ	OFF	2010/07/22 13:58

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