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Examiner Initial*	er Cite No Patent Number Kind Code ¹ Issue Date		Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear	
	1	6040732	2000-03-21	BROKAW; A. Paul	
	2	6535725	2003-03-18	HATCHER; Geoffrey et al.	
	3	6657498	2003-12-02	PARK; Joonbae et al.	
	4	6806777	2004-10-19	FRANCA-NETO L.M.,	
	5	7142042	2006-11-28	HENRY; Paul M.	
	6	7161423	2007-01-09	PAUL; Susanne A. et al.	
	7	7167044	2007-01-23	ZHENBIAO; Li et al.	
	8	7643847	2010-01-05	DAANEN; Anton et al.	

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		C; Aleksandar Modrag	
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	10	8022772		2011-09-20	CASSIA; Marco et al.					
	11 8055229			2011-11-08	HUANG; Yi-Ti					
	12 8217723			2012-07-10 RAJENDRAN; Gireesh et al.						
	13 8600315 2		2013-12-03	ROUFOOGARAN; Razieh et al.						
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	1	20020173337		2002-11-21	HAJIMIRI; Seyed-Ali et al.					
2		2 20030148750		2003-08-07	YAN; Kelvin Kai Tuan et al.					
	3	20040113746		2004-06-17	BRINDLE; Christopher N.					
	4	20050197090		2005-09-08	STOCKSTAD; Troy L. et al.	IPR2019-00128				
à						Qualcomm 2004, p.2				

2011-01-25

JIN; Xiaodong et al.

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4				2	<u> </u>
	5	20050265084	2005-12-01	CHOI; Young-Ho	
	6	20060128322	2006-06-15	IGARASHI; Yutaka et al.	
	7	20060189286	2006-08-24	KYU; Irei et al.	
	8	20070105517	2007-05-10	CHANG; Sung-Hsien et al.	
	9	20070177693	2007-08-02	KLUGE; Wolfram	
	10	20080224791	2008-09-18	CHENG; Dajun	
	11	20090253456	2009-10-08	TOH; Yeow Teng et al.	
	12	20120056681	2012-03-08	LEE; Chih-Hung	
	13	20130265892	2013-10-10	FERNANDO; Udara C.	
	14	20130316668	2013-11-28	DAVIERWALLA; Anosh Bomi et al.	
	15	20130316669	2013-11-28	DAVIERWALLA; Anosh Bomi et al.	IPR2019-00128 Qualcomm 2004, p.3
	10				

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /KCT/

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Art Unit				
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	16 20130316670		2013-11-28		-28	TASIC; Aleksa	ındar Miodrag et al.				
								-			
	17		20130329665		2013-12-12		KADOUS; Tamer Adel et al.				
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	1	1726098		EP		A1	2006-11-29	SAMSUNG ELECTRONICS CO [KR]	LTD		
	2	174	18567	EP		A2	2007-01-31	BOSCH GMBH RO	BERT		
	3	H0730452		JP		А	1995-01-31	FUJITSU LTD.			X
	4	08103757		wo			2008-08-28	QUALCOMM INC [I	JS]		
	5	2005088847		wo		A1	2005-09-22	SAMSUNG ELECTRONICS CO [KR], et al.	LTD		
	6	201	1019850	WO		A1	2011-02-17	QUALCOMM INC [I	JS], et		
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Qualcomm 2004, p.7