U.S. PATENT DOCUMENTS

5,149,960	A	9/1992	Dunne et al.	250/226
5,155,596	A	10/1992	Kurtz et al.	358/214
5,200,817	A	4/1993	Birnbaum	358/80
5,266,805	A	11/1993	Edgar	250/330
5,267,030	A	11/1993	Giorgianni et al.	358/527
5,291,286	A	3/1994	Murakami et al.	348/469
5,311,310	A	5/1994	Jozawa et al.	348/416
5,335,086	A	8/1994	Kitamura	358/431
5,371,542	A	12/1994	Pauli et al.	348/262
5,447,811	A	9/1995	Buhr et al.	430/20
5,448,380	A	9/1995	Park	358/520
5,452,018	A	9/1995	Capitant et al.	348/651
5,465,155	A	11/1995	Edgar	385/500
5,465,163	A	11/1995	Yoshihara et al.	358/444
5,477,345	A	12/1995	Tse	358/500
5,509,086	A	4/1996	Edgar et al.	382/167
5,516,608	A	5/1996	Hobbs et al.	430/30
5,552,904	A	9/1996	Ryoo et al.	358/518
5,561,611	A	10/1996	Avinash	364/553
5,565,931	A	10/1996	Girod	348/675
5,568,270	A	10/1996	Endo	358/298
5,581,376	A	12/1996	Harrington	358/518
5,582,961	A	12/1996	Giorgianni et al.	430/508
5,583,950	A	12/1996	Prokoski	382/212
5,589,887	A	12/1996	Wischermann	348/616
5,608,547	A	3/1997	Nakatani et al.	358/505
5,641,596	A	6/1997	Gray et al.	430/21
5,666,443	A	9/1997	Kumashiro	382/266
5,673,336	A	9/1997	Edgar et al.	382/167
5,721,624	A	2/1998	Kumashiro et al.	358/450
5,726,773	A	3/1998	Mehlo et al.	358/474
5,729,631	A	3/1998	Wober et al.	382/232
5,771,107	A	6/1998	Fujimoto et al.	358/464
5,808,674	A	9/1998	Adams, Jr. et al.	348/273
5,892,595	A	4/1999	Yamakawa et al.	358/530
5,923,042	A	7/1999	Mietta et al.	250/559.06
5,930,388	A	7/1999	Murakami et al.	382/167
5,963,662	A	10/1999	Vachtsevanos et al.	382/150
5,969,372	A	10/1999	Stavely et al.	250/559.42
5,979,011	A	11/1999	Mivawaki et al.	15/308
5,982,941	A	11/1999	Loveridge et al.	382/260
5,982,951	A	11/1999	Katayama et al.	382/284
5,991,444	A	11/1999	Burt et al.	382/232
6,005,987	A	12/1999	Nakamura et al.	382/294
6,057,040	A	5/2000	Hage	428/447
6,075,905	A	6/2000	Herman et al.	382/284
6,078,051	A	6/2000	Banton et al.	250/341.1
6,078,701	A	6/2000	Hsu et al.	382/294
6,101,273	A	8/2000	Matama	382/169
6,128,416	A	10/2000	Oura	382/284
6,239,886	B1	5/2001	Klasser et al.	358/518

FOREIGN PATENT DOCUMENTS

EP	0 569 142	A1	11/1993	H04N/5/253
EP	0 624 848	A2	11/1994	G06F/15/68
EP	0 699 753	A2	8/1995	H04N/1/407
EP	0 716 538	A2	6/1996	H04N/1/50
EP	768 621	A2 *	10/1996	G06T/5/20
EP	0 751 670	A2	1/1997	H04N/1/10
EP	0 768 621	A2	4/1997	G06T/5/20
EP	0 794 454	A2	9/1997	G03B/27/73
EP	0 816 833	A2	1/1998	G01N/21/88
EP	0 816 833	A3	8/1998	G01N/21/88
EP	0 893 914	A2	10/1999	H04N/5/253
GB	2 283 633	A	5/1995	H04N/5/262
JP	4-291139		10/1992	G01N/21/89
JP	11185028		7/1999	G06T/1/00
JP	2000-13604		1/2000	H04N/1/409
JP	2000-196813	A	7/2000	
WO	WO 84/02019		5/1984	G06F/15/20
WO	WO 89/06890		7/1989	H04N/3/36
WO	WO 90/01240		2/1990	H04N/1/40
WO	WO 91/09493		6/1991	H04N/5/127
WO	WO 92/05469		4/1992	G03B/27/53
WO	WO 95/15530		6/1995	G06F/17/14
WO	WO 97/16028		5/1997	H04N/7/30
WO	WO 98/31142		7/1998	H04N/5/253
WO	WO 98/34397		8/1998	
WO	WO 99/40729		8/1999	H04N/9/11
WO	WO 01/48694		7/2001	G06F/5/00

OTHER PUBLICATIONS

A Regularized Iterative Image Restoration Algorithm, Aggelos K. Katsaggelos, et al. IEEE, 1991, pp. 914–929.

Adaptive Fourier Threshold Filtering: A Method to Reduce Noise and Incoherent Artifacts in High Resolution Cardiac Images, M. Doyle, et al., 8306 Magnetic Resonance in Medicine, May, 31, 1994, No. 5, Baltimore, MD., pp. 546–550.

Anisotropic Spectral Magnitude Estimation Filters for Noise Reduction and Image Enhancement, Til Aach, et al., IEEE, 1996, pp. 335–338.

Adaptive–neighborhood filtering of images corrupted by signal–dependent noise, Rangaraj M. Rangayyan et al., Applied Optics, vol. 37, No. 20, Jul. 10, 1998, pp. 4477–4487.

Grayscale Characteristics, Photographic Negatives The Nature of Color Images, pp. 163–168.

Digital Imaging Equipment White Papers, Putting Damaged Film on Ice, A Technical Discussion of Advances in Digital Imaging, Nikon Corporation, http://www.nikonusa.com/reference/whitepapers/imaging/ditechdisc.html, Aug. 5, 1999.

Local Cosine Transform—A Method for the Reduction of the Blocking Effect in JPEG, Gil Aharoni, et al., Journal of Mathematical Imaging and Vision, 3, 7–38, 1993.

Digital ICE, Applied Science Fiction, Inc., http://www.asf.com/html/o¯products/iceprod.html. Aug. 5, 1999.

About Digital ICE Technology, Applied Science Fiction, Inc., http://www.asf.com/html/o¯products/icetech.html. Aug. 5, 1999.

2–D Adaptive Volterra Filter for 2–D Nonlinear Channel Equalisation and Image Restoration, J.N. Lin, et al., Electronic Letters, vol. 28, No. 2, Jan. 16, 1992, pp. 180–182.

* cited by examiner