

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
28 September 2000 (28.09.2000)

PCT

(10) International Publication Number  
**WO 2000/057343 A3**

(51) International Patent Classification:  
H04N 5/253 (2006.01)

(21) International Application Number:  
PCT/US2000/007772

(22) International Filing Date: 23 March 2000 (23.03.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/125,824 24 March 1999 (24.03.1999) US

(71) Applicant and

(72) Inventor: BERNSTEIN, Eliot, I. [US/US]; Suite 102,  
500 S.E. Mizner Boulevard, Boca Raton, FL 33432-6080  
(US).

(74) Agent: UTLEY, Brian, G.; Iviewit Holdings, INC., One  
Boca Place, 2255 Glades Road, Suite 337 West, Boca Ra-  
ton, FL 33431 (US).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,  
AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE,  
DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU,  
ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS,  
LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT,  
TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

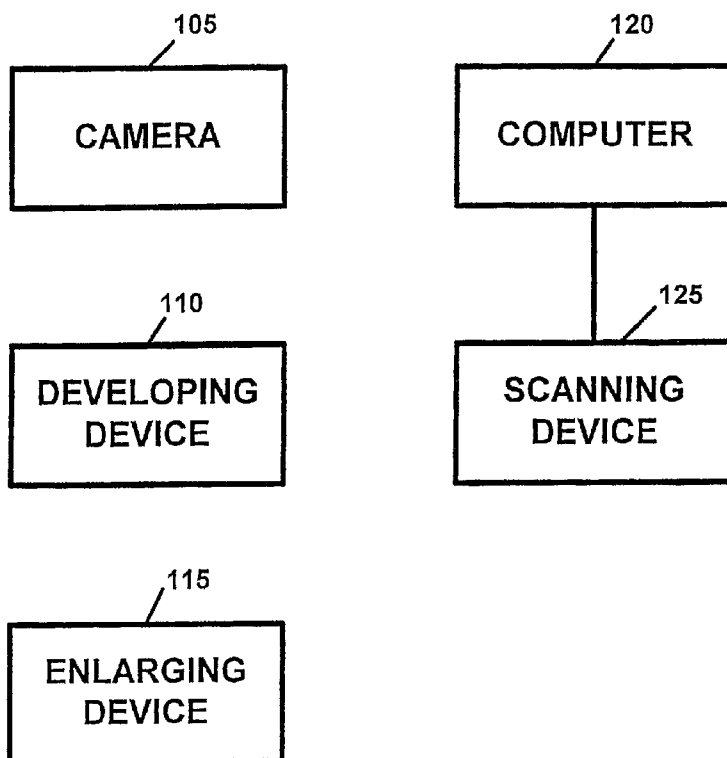
(84) Designated States (*regional*): ARIPO patent (GH, GM,  
KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent  
(AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent  
(AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU,  
MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM,  
GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:  
— with international search report

(88) Date of publication of the international search report:  
23 August 2007

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: APPARATUS AND METHOD FOR PRODUCING ENHANCED DIGITAL IMAGES



(57) Abstract: An apparatus and a method for producing a digital image, which includes a device for generating a digital signal file from a print film image (125) and a processor for processing the digital signal file and for generating an image file (120). The processor generates a first signal file from the digital signal file (120). The processor processes the first signal file and generates the image file (120).



WO 2000/057343 A3

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US00/07772

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) :H04N 5/253 US CL :348/96 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 348/96  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,469,536 A (BLANK) 21 November 1995, see figure 2, col.4, lines 28-41, col.32, lines 61-67, col.33, 1-20	1-21
X	US 5,864,651 A (LAVIE et al) 26 January 1999, col.2, lines 18-40, col.4, lines 36-59	1-21
X	US 5,699,489 A (YOKOMIZO) 16 December 1997, see figure 1	1-21
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents.	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X"	document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier document published on or after the international filing date	"Y"	document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claims or which is cited to establish the publication date of another citation or other special reason (as specified)	"&"	document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means		
"P" document published prior to the international filing date but later than the priority date claimed		
Date of the actual completion of the international search 26 JULY 2000	Date of mailing of the international search report <b>15 AUG 2000</b>	
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer Chris Kelley <i>James R. Matthew</i> Telephone No. (703) 305-4700	