

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
26 February 2004 (26.02.2004)

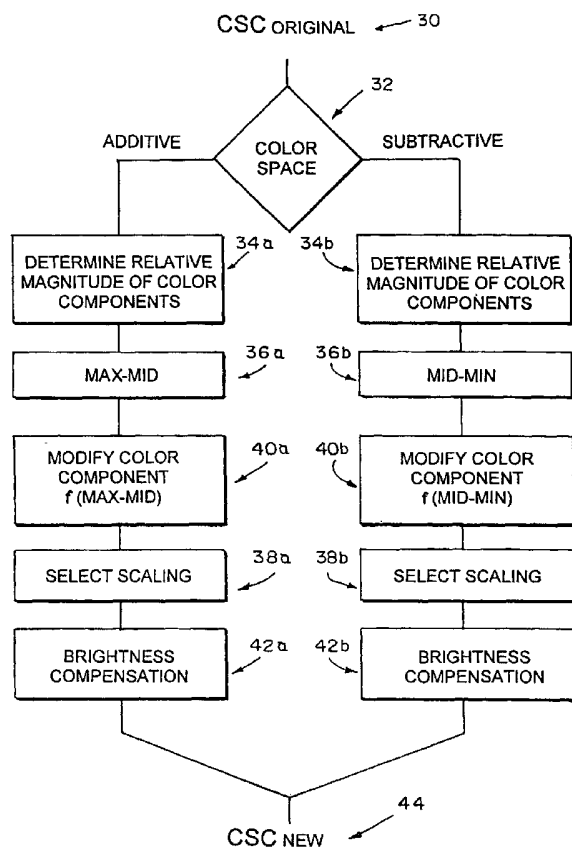
PCT

(10) International Publication Number
WO 2004/017261 A3

- (51) International Patent Classification⁷: **G06K 9/00**,
G03F 3/08
- (21) International Application Number:
PCT/US2003/025692
- (22) International Filing Date: 18 August 2003 (18.08.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/404,156 19 August 2002 (19.08.2002) US
60/413,544 26 September 2002 (26.09.2002) US
60/418,190 15 October 2002 (15.10.2002) US
- (71) Applicant (for all designated States except US): **PAUL REED SMITH GUITARS, LIMITED PARTNERSHIP (MARYLAND)** [US/US]; 380 Log Canoe Circle, Stevensville, MD 21666 (US).
- (72) Inventors; and
(75) Inventors/Applicants (for US only): **SMITH, Paul, Reed** [US/US]; 5501 Brooks Woods Road, Lothian, MD 20711 (US). **GILBERT, Gary, E.** [US/US]; 6385 Waterloo Road, Elkridge, MD 21666 (US). **SABETY, Ted** [US/US]; 400 Riverside Drive, #4b, New York, NY 10025 (US).
- (74) Agent: **PALAN, Perry**; Suite 900, 750 17th Street, N.W., Washington, DC 20006 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

[Continued on next page]

(54) Title: METHOD OF COLOR ACCENTUATION



(57) Abstract: The color accentuation method determines the relative magnitude of each color component in each pixel or area. T selects and adjusts the magnitude of one or more of the colors as a function of the determined relative magnitudes of each color component. The type and amount of the adjustment may be a function of the relative magnitude differences. One or more of the magnitudes is adjusted to change the relative magnitudes. Typically, the difference in a subtractive color space s between the lowest and middle magnitude color and n an additive color space is between the highest and the middle magnitude color. Also, typically, the lowest color component s reduced in the subtractive color space and the highest is increased in the additive color space. Various scaling functions and compensations or adjustments of the color accentuation may be used.



Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(88) Date of publication of the international search report:
19 August 2004

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

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/25692

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : G06K 9/00; G03F 3/08

US CL : 382/162, 167; 358/518, 520

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. : 382/162, 167; 358/518, 520

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
IEEEElectronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST, NPL**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,125,199 A (SATO et al.) 26 SEPTEMBER 2000, col. 22, lines 5-12; col. 26, lines 2-7; col. 35, lines 37-43; Figs. 1 and 46	1-30



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"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

"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

"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

"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

"&"

document member of the same patent family

Date of the actual completion of the international search

28 June 2004 (28.06.2004)

Date of mailing of the international search report

08 JUL 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

ANH HONG DO

Telephone No. 703-305-3900

