(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
14 October 2010 (14.10.2010)

PCT

(10) International Publication Number
WO 2010/118254 A1

(51) International Patent Classification:
H04N 11/02 (2006.01)

(21) International Application Number:
PCT/US2010/030425

(22) International Filing Date:
8 April 2010 (08.04.2010)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/167,536 8 April 2009 (08.04.2009) US

(71) Applicant *(for all designated States except US)*: **WATCHITOO, INC.** [US/US]; 24 W. 40th Street, 14th Floor, New York, NY 10018 (US).

(72) Inventor; and

(75) Inventor/Applicant *(for US only)*: **ZAROM, Rony** [IL/US]; 181 E. 65th St., New York, NY 10021 (US).

(74) Agent: **WILDES, Morey, B.**; Pearl Cohen Zedek Latzer, LLP, 1500 Broadway, 12th Floor, New York, NY 10036 (US).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, SM,

[Continued on next page]

(54) Title: SYSTEM AND METHOD FOR IMAGE COMPRESSION

(57) Abstract: A system and method may compress a digital image. A storage unit may store a dictionary having a plurality of predetermined template patterns each identified by a code. A decomposition module may divide the image into a plurality of sub-regions. A compression module may select a template pattern from the dictionary that most closely matches an image features for each sub-region. The compression module may generate a compressed data set for the image in which each sub-region is represented by a code identifying the template pattern selected therefore. Once the data is compressed, a decompression unit may reconstruct the image. The decompression unit may use the code from the compressed data set to retrieve the template pattern from the dictionary for each sub-region and may reconstruct a full image by combining the template patterns for all of the sub-regions. An output device may display the reconstructed image.

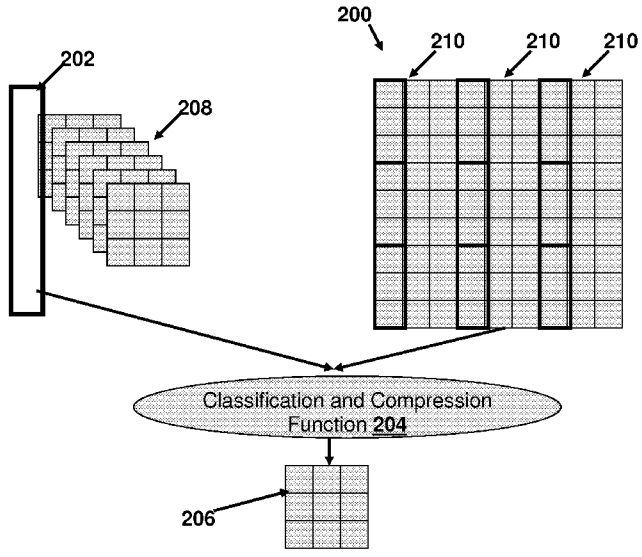


Fig. 2

WO 2010/118254 A1

TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *with international search report (Art. 21(3))*