



(51) International Patent Classification:

H04N 5/33 (2006.01) *G06T 15/50* (2011.01)
H04N 5/225 (2006.01) *H04N 5/275* (2006.01)
H04N 5/272 (2006.01)

(21) International Application Number:

PCT/IB2013/002233

(22) International Filing Date:

8 October 2013 (08.10.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

4207/CHE/2012 9 October 2012 (09.10.2012) IN

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(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, BN, 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, IR, IS, JP, KE, KG, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, 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, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, 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, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

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

(54) Title: SYSTEM FOR CAPTURING SCENE AND NIR RELIGHTING EFFECTS IN MOVIE POSTPRODUCTION TRANSMISSION

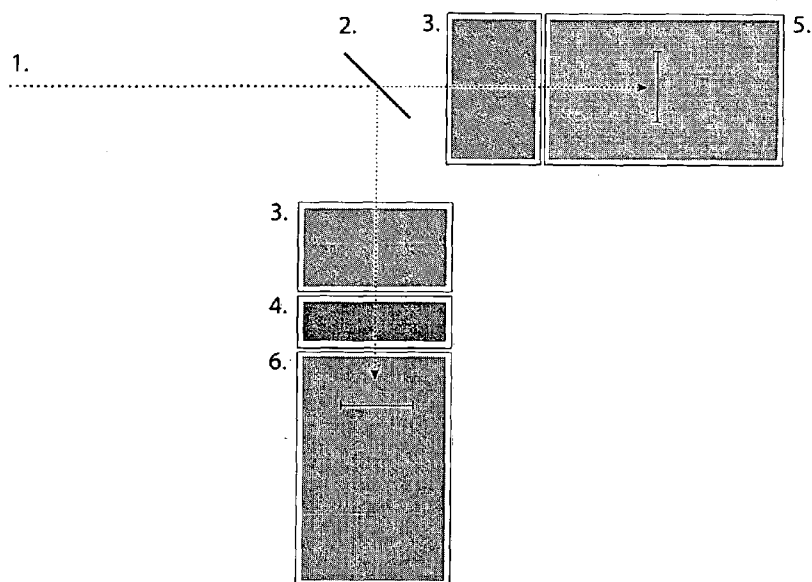


Figure 2A

(57) Abstract: A system for capturing scene with the simultaneous use IR and VIS light for alpha channel creation and relighting effects in movie postproduction transmission comprising the subsystems of: Lighting sub system, Electro-optical system for simultaneous acquisition of the video in VIS and NIR, and Video post-processing converter for generation of alpha channel from the NIR video signal to perform determination between the foreground objects, illuminated with NIR light source and background. Video post-processing converter uses VIS images to obtain information for more precise alpha channel derivation.