

Title (en)

COLOR WIDE DYNAMIC RANGE CAMERA USING A CHARGE COUPLED DEVICE WITH MOSAIC FILTER

Title (de)

FARBKAMERA MIT GROSSEM DYNAMIKBEREICH UND VERWENDUNG EINES LADUNGSVERSCHIEBEELEMENTS MIT MOSAIKFILTERN

Title (fr)

CAMERA COULEUR A GAMME DYNAMIQUE LARGE UTILISANT UN DISPOSITIF A TRANSFERT DE CHARGE ET UN FILTRE MOSAIQUE

Publication

EP 0739571 A1 19961030 (EN)

Application

EP 94907434 A 19940207

Priority

- US 9401358 W 19940207
- US 1454593 A 19930208

Abstract (en)

[origin: WO9418801A1] The apparatus (10) is a color wide dynamic range apparatus which includes a filter (12) interposed immediately in front of reoccurring color elements so that each pixel represents a given color element for the scene. At least two exposure levels are taken of the scene and the pixel outputs are decoded to generate the video luminance and chrominance signals. The images of the at least two exposure levels are combined to form a final image.

IPC 1-7

H04N 9/07; H04N 9/04; H04N 5/228

IPC 8 full level

H04N 5/235 (2006.01); **H04N 9/04** (2006.01)

CPC (source: EP US)

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