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(21) International Application Number: PCT/IB99/00488 (22) International Filing Date: 22 March 1999 (22.03.99) (30) Priority Data: 98201054.8 2 April 1998 (02.04.98) EP (71) Applicant: KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL). (71) Applicant (for SE only): PHILIPS AB [SE/SE]; Kottbygatan 7, Kista, S-164 85 Stockholm (SE). (72) Inventors: VAN SPLUNTER, Marinus; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). POL, Evert, J., D.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL). (74) Agent: DE HAAS, Laurens, J.; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).		(81) Designated States: JP, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published Without international search report and to be republished upon receipt of that report.

(54) Title: IMAGE DISPLAY SYSTEM

(57) Abstract

An index determination element selects index values as a function of the source color values, the index values pointing to LUT color values stored in a lookup table unit. The LUT color values read from the lookup table unit are used to generate output color values. Each output color value corresponds to a pixel, a first component of the output color values is output for at least two pixels at a time and second components are output separately for each of these at least two pixels. As a result there is a space of combinations of index values that results in substantially the same first component of the output values, even though they point to substantially different LUT color values for these at least two pixels. The index determination element selects a combination from this space to minimize an error in the second components of the output color values for the at least two pixels.

