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United States Patent [19]

Ueno et al.

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Sep. 22, 1992

[54]	APPARATUS FOR ENCODING/DECODING
	VIDEO SIGNALS TO IMPROVE QUALITY
	OF A SPECIFIC REGION

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Japan

[21] Appl. No.: 673,416

[56]

[22] Filed: Mar. 22, 1991

[30] Foreign Application Priority Data

References Cited

U.S. PATENT DOCUMENTS

4,706,260	11/198/	redele et al	. 382/56
4,754,487	6/1988	Newmuis	. 382/56
4,802,006	1/1989	Iinuma et al	358/135
4,847,677	7/1989	Music et al	358/135

4,951,140	8/1990	Ueno et al 358/136
4,975,978	12/1990	Ando et al 382/50
4,991,009	2/1991	Suzuki et al 358/135

OTHER PUBLICATIONS

SPIE vol. 804 Advances in Image Processing (1987) R.H.J.M. Plompen et al., pp. 379-384.

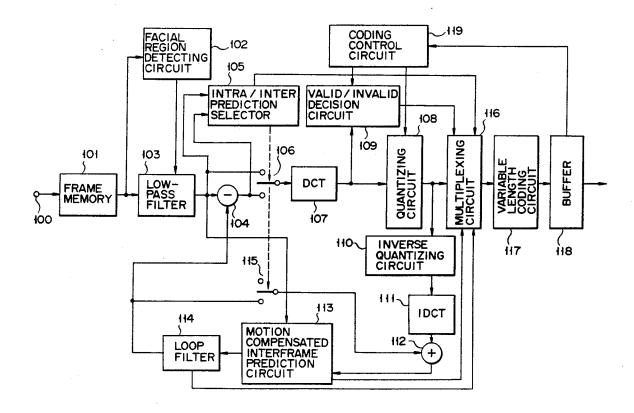
ITEJ Tech. Rep., Y. Nagashima et al., 1987 "Detection and Tracking Method of Human Area in Video Signal", pp. 17-24.

Primary Examiner—Jose Couso Attorney, Agent, or Firm—Oblon, Spivak, McClelland, Maier & Neustadt

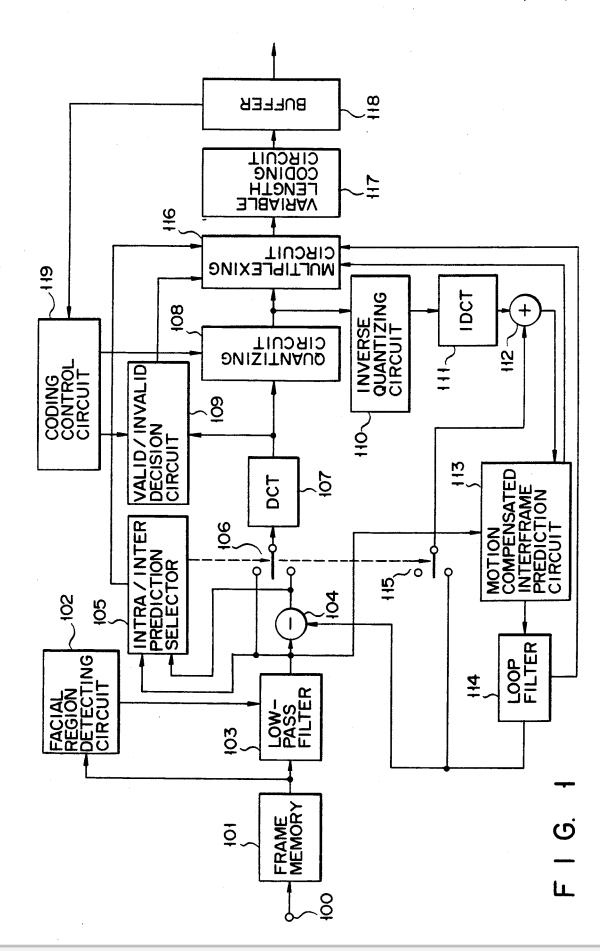
[57] ABSTRACT

An image encoding apparatus comprises a region detecting circuit for detecting a specific region from input image signals and outputting the region specifying signal for discriminating the specific region from other regions, a low-pass filter for selectively filtering and outputting the image signals of regions other than the specific region in the input image signals, and an encoding circuit for encoding the image signal output from the low-pass filter.

19 Claims, 13 Drawing Sheets

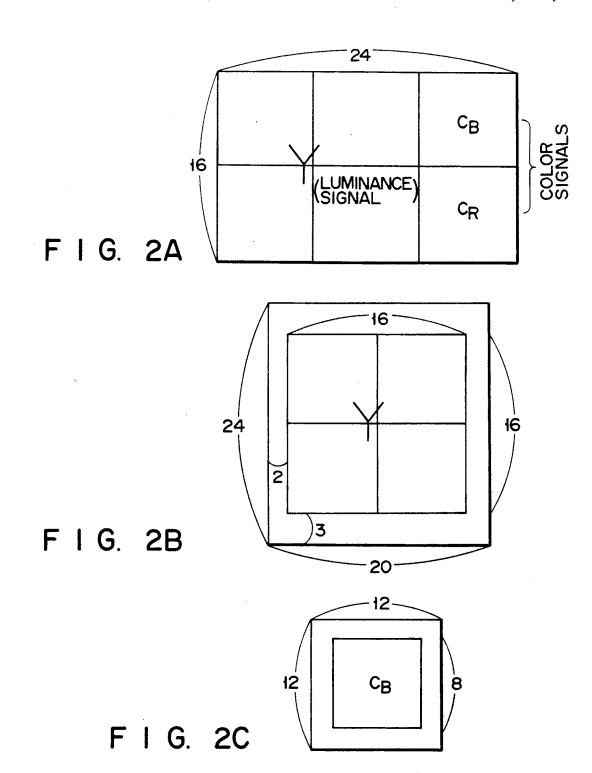






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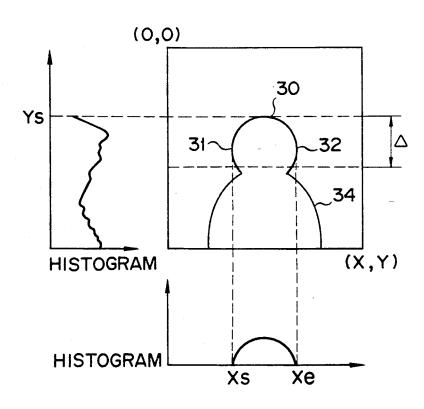
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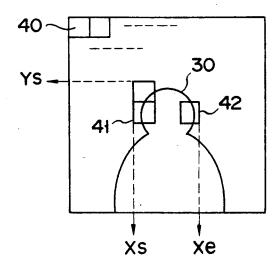
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F I G. 2D

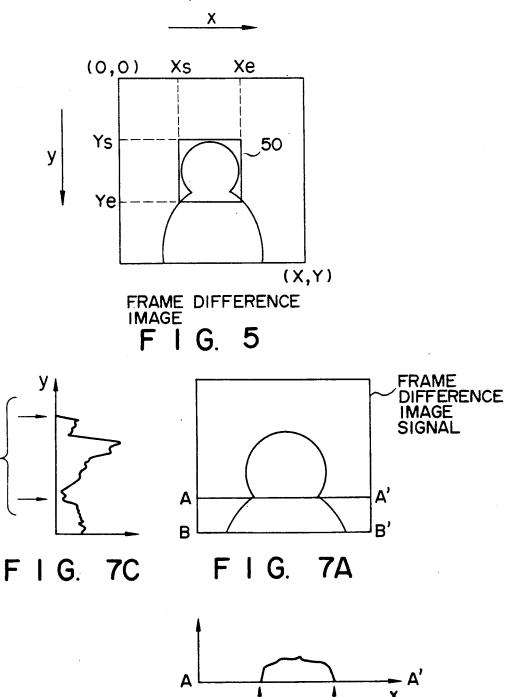


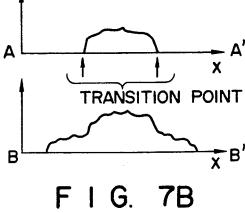
F I G. 3



F I G. 4

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