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9805118-8
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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 :		(11) International Publication Number:
H04N 7/50	A2	WO 98/33324
		(43) International Publication Date: 30 July 1998 (30.07.98)

(21) International Application Number: PCT/IB98/00040

(22) International Filing Date: 12 January 1998 (12.01.98)

(30) Priority Data:
97200197.8 27 January 1997 (27.01.97) EP
(34) Countries for which the regional or international application was filed: NL et al.

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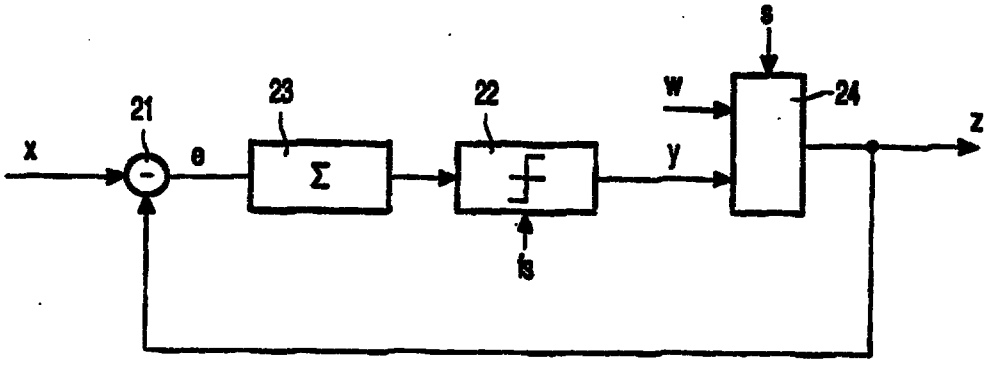
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(81) Designated States: CN, CZ, HU, ID, JP, KR, MX, PL, RU, SG, UA, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

Published
Without international search report and to be republished upon receipt of that report.

(54) Title: EMBEDDING SUPPLEMENTAL DATA IN AN ENCODED SIGNAL



(57) Abstract

Method of embedding watermarks in a signal encoded by an encoder having a feedback loop, for example, a sigma–delta modulator (21, 22, 23). A digital watermark pattern (w) is embedded in the signal (z) by modifying selected samples (for example, replacing every 100th bit) of the encoded signal (y) by samples of the watermark pattern. The circuit (24) for modifying the samples is located inside the loop of the encoder. The effect of watermarking is thus compensated in subsequent encoding steps and the signal–to–noise ratio is only slightly affected.