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(71) Applicant: **IBIQUITY DIGITAL CORPORATION**
[US/US]; Suite 202, 8865 Stanford Boulevard, Columbia,
MD 21045 (US).

(72) Inventor: **KROEGER, Brian, W.**; 12813 Amberwoods
Way, Sykesville, MD 21784 (US).

(74) Agent: **LENART, Robert, P.**; Pietragallo, Bosick & Gordon,
One Oxford Centre, 38th Floor, 301 Grant Street,
Pittsburgh, PA 15219 (US).

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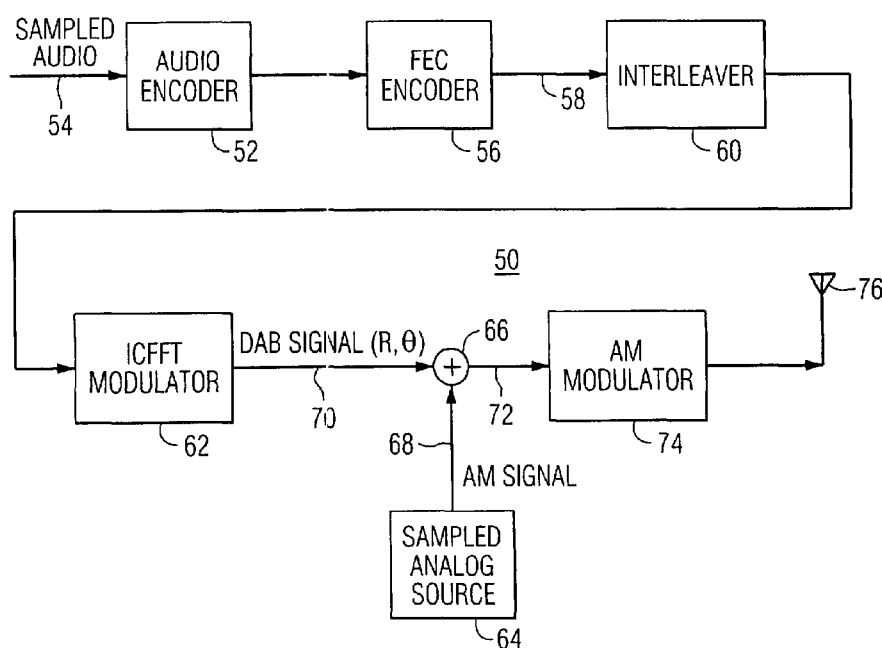
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(54) Title: DIGITAL AUDIO BROADCASTING METHOD AND APPARATUS USING COMPLEMENTARY PATTERN-MAPPED CONVOLUTIONAL CODES



(57) Abstract: A method of transmitting digital information uses the steps of forward error correction coding (56) a plurality of bits of digital information (54) using complementary pattern-mapped convolutional codes, modulating (62) a plurality of carrier signals with the forward error correction coded bits, and transmitting (76) the modulated carrier signals. The modulation can include the step of independently amplitude shift keying the in-phase and quadrature components of the QAM constellation using Gray codes corresponding to amplitude levels. Receivers for such signals are also described.



WO 03/094359 A1



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