Title (en)

METHODS AND APPARATUS FOR COHERENT HOLOGRAPHIC DATA CHANNELS

Title (de)

VERFAHREN UND VORRICHTUNG FÜR KOHÄRENTE HOLOGRAPHISCHE DATENKANÄLE

Title (fr)

PROCÉDÉS ET APPAREIL POUR CANAUX DE DONNÉES HOLOGRAPHIQUES COHÉRENTS

Publication

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Application

EP 15786499 A 20150429

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Abstract (en)

[origin: WO2015168325A1] Methods and devices for coherent holographic data channel techniques are presented. Coherent techniques for data detection generally include homodyne and heterodyne detection. Techniques for quadrature homodyne detection, resampling quadrature homodyne detection, n-rature homodyne detection, and spatial wavefront demodulation are presented. Coherent detection techniques in turn enable coherent channel modulation techniques such as phase modulation (including binary phase shift keying, or BPSK; phase quadrature holographic multiplexing, or QPSK; and quadrature amplitude modulation, or QAM). Coherent detection may also enable or improve the performance of other channel techniques such as partial response maximum likelihood (PRML), the various classes of extended PRML, and of noise-predictive maximum likelihood (NPML) detection.

IPC 8 full level

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Citation (search report)

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Designated contracting state (EPC)

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