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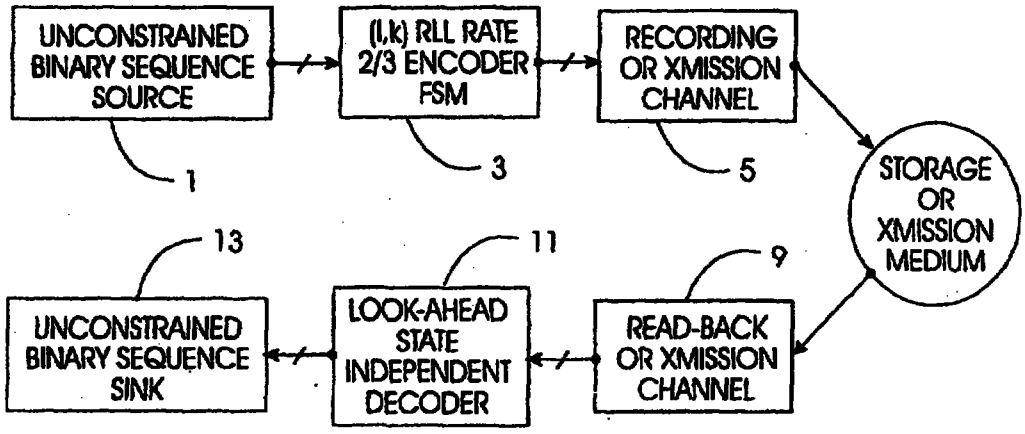
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(54) Title: INVERTIBLY MAPPING BINARY SEQUENCES INTO RATE 2/3 (1,K) RUN-LENGTH-LIMITED CODED SEQUENCES WITH MAXIMUM TRANSITION DENSITY CONSTRAINTS



(1,9 or 1,13) RLL RATE 2/3 CODER FOR LOW DUTY CYCLE IN DATA STORAGE OR TRANSMISSION

(57) Abstract

A method and means for reducing high-duty-cycle unconstrained binary signal sequences in storage and communications processes and systems by invertibly mapping such sequences into a (1,k) rate 2/3 RLL codestream constrained to a duty cycle substantially approximating one-third. That is, binary sequences ordinarily mapping into high-duty-cycle RLL-code sequences are either inhibited from repeating indefinitely or excluded.