

(12) United States Patent Jin et al.

(54)SERIAL CONCATENATION OF INTERLEAVED CONVOLUTIONAL CODES FORMING TURBO-LIKE CODES

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Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35 U.S.C. 154(b) by 735 days.

(21) Appl. No.: 09/861,102

(22)Filed: May 18, 2001

Related U.S. Application Data

(60)Provisional application No. 60/205,095, filed on May 18, 2000.

(51) Int. Cl. H04B 1/66

(2006.01)

375/341; 341/51; 341/102; 714/752

Field of Classification Search 375/259, 375/262, 265, 285, 296, 341, 346, 348; 714/746, 714/752, 755, 756, 786, 792, 794, 795, 796; 341/51, 52, 56, 102, 103

See application file for complete search history.

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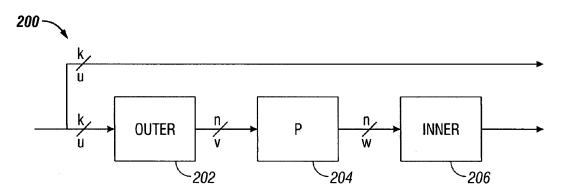
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ABSTRACT

A serial concatenated coder includes an outer coder and an inner coder. The outer coder irregularly repeats bits in a data block according to a degree profile and scrambles the repeated bits. The scrambled and repeated bits are input to an inner coder, which has a rate substantially close to one.

33 Claims, 5 Drawing Sheets





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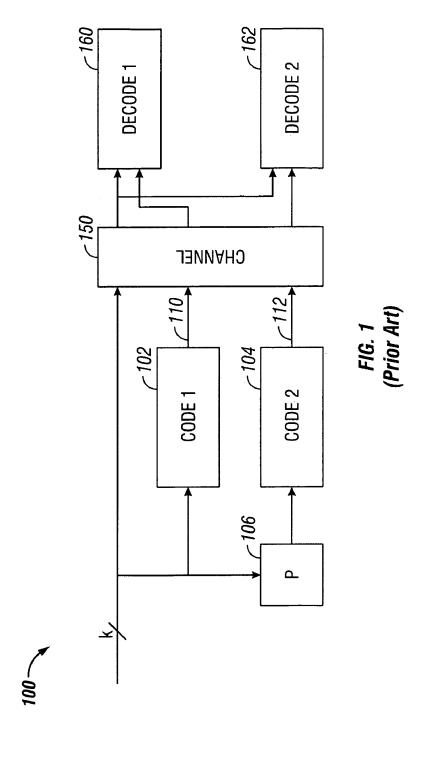
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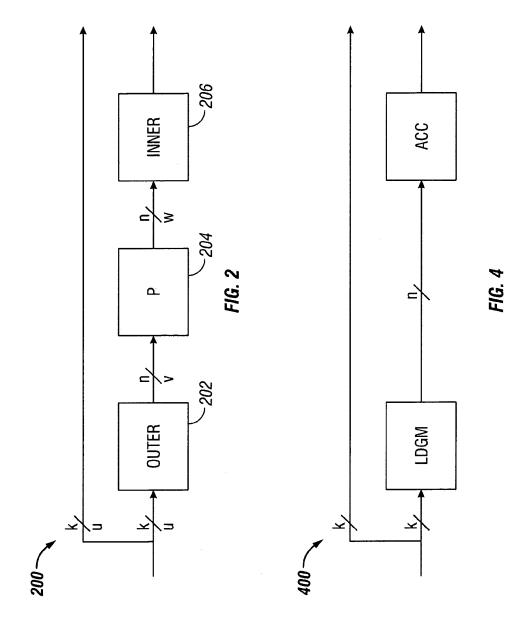
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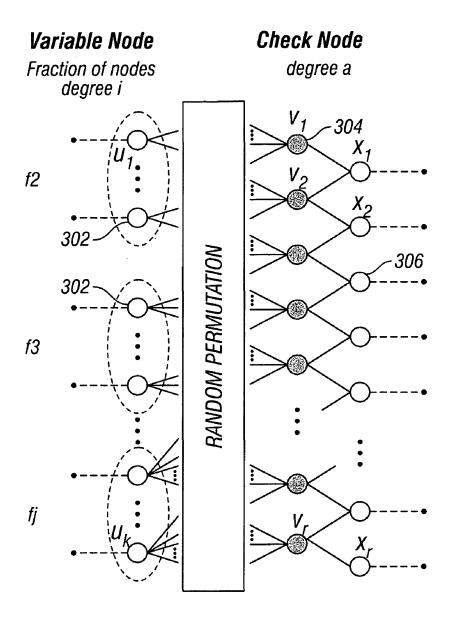


FIG. 3

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