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May 18, 2001

Attorney Docket No.: 06618-637001/CIT3220

Box Patent Application
 Commissioner for Patents
 Washington, DC 20231

Presented for filing is a new patent application claiming priority from a provisional patent application of:

Applicant: HUI JIN, AAMOD KHANDEKAR AND ROBERT J. McELIECE

Title: SERIAL CONCATENATION OF INTERLEAVED
 CONVOLUTIONAL CODES FORMING TURBO-LIKE CODES

Enclosed are the following papers, including those required to receive a filing date under 37 CFR §1.53(b):

	<u>Pages</u>
Specification	16
Claims	6
Abstract	1
Declaration	[To be Filed at a Later Date]
Drawing(s)	5

Enclosures:
 — Postcard.

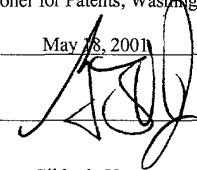
Under 35 USC §120, this application claims the benefit of prior U.S. application No. _____, filed August 18, 2000, and entitled "Interleaved Serial Concatenation Forming Turbo-Like Codes".

CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Label No. EL688320048US

I hereby certify under 37 CFR §1.10 that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit May 18, 2001

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Page 2

Under 35 USC §119(e)(1), this application claims the benefit of prior U.S. provisional application 60/205,095, filed May 18, 2000.

This application is entitled to small entity status.

Basic filing fee	\$0
Total claims in excess of 20 times \$9	\$0
Independent claims in excess of 3 times \$40	\$0
Fee for multiple dependent claims	\$0
Total filing fee:	\$0

Under 37 CFR §1.53(f), no filing fee is being paid at this time.


If this application is found to be incomplete, or if a telephone conference would otherwise be helpful, please call the undersigned at (858) 678-5070.

Kindly acknowledge receipt of this application by returning the enclosed postcard.

Please send all correspondence to:

SCOTT C. HARRIS
Fish & Richardson P.C.
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4350 La Jolla Village Drive, Suite 500
San Diego, CA 92122

Respectfully submitted,

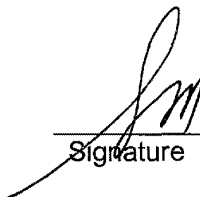

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REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)	First Named Inventor	Hui Jin et al.
	Title	SERIAL CONCATENATION OF INTERLEAVED CONVOLUTIONAL CODES FORMING TURBO-LIKE CODES
	Atty Docket Number	06618-637001

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

5/18/01
Date


Signature

Scott C. Harris
Typed or printed name

This request must be signed in compliance with 38 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

APPLICATION
FOR
UNITED STATES LETTERS PATENT

TITLE: SERIAL CONCATENATION OF INTERLEAVED
CONVOLUTIONAL CODES FORMING TURBO-LIKE
CODES

APPLICANT: HUI JIN, AAMOD KHANDEKAR AND ROBERT J.
MCELIECE

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Gildardo Vargas
Typed or Printed Name of Person Signing Certificate

**SERIAL CONCATENATION OF INTERLEAVED
CONVOLUTIONAL CODES FORMING TURBO-LIKE
CODES**

CROSS-REFERENCE TO RELATED APPLICATIONS

[0001] This application claims priority to U.S. Provisional Application Serial No. 60/205,095, filed on May 18, 2000, and to U.S. Application Serial No. _____, filed on August 18, 2000 and entitled Interleaved Serial Concatenation Forming Turbo-Like Codes.

GOVERNMENT LICENSE RIGHTS

[0002] The U.S. Government has a paid-up license in this invention and the right in limited circumstances to require the patent owner to license others on reasonable terms as provided for by the terms of Grant No. CCR-9804793 awarded by the National Science Foundation.

BACKGROUND

[0003] Properties of a channel affect the amount of data that can be handled by the channel. The so-called "Shannon limit" defines the theoretical limit of the amount of data that a channel can carry.

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