



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): James J. Fallon Examiner: A. Elamin  
SERIAL NO.: 10/668,768 Group Art Unit: 2819  
FILED: September 22, 2003 Dated: August 20, 2004  
FOR: CONTENT INDEPENDENT DATA COMPRESSION METHOD AND SYSTEM

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT TRANSMITTAL FORM**

Sir:

Transmitted herewith is an amendment in the above-identified application.

- Small entity status of this application under 37 C.F.R. §§1.9 and 1.27 has been established by a verified statement previously submitted.
- A verified statement to establish small entity under 37 C.F.R. §§1.9 and 1.27 is enclosed.
- No additional fee is required.

For	Claims Remaining After Amendment	Highest No. Previously Paid For	Present Extra	Rate (Small Entity)	Addit. Fee	Rate	Addit. Fee
TOTAL CLAIMS*	10	20	0	x 9 =	\$0	x 18 =	\$0
INDEPENDENT CLAIMS	3	3	0	x 43	\$0	x 86 =	\$0
<input type="checkbox"/> First Presentation of Multiple Dep. Claim				145		290	\$0

\* If the entry in Col. 1 is less than entry in Col. 2, write "0" in Col. 3.  
 \*\* If the "Highest No. Previously Paid for" IN THIS SPACE is less than 20, enter "20".  
 \*\*\* If the "Highest No. Previously Paid For" IN THIS SPACE is less than 3, enter "3".  
 The Highest No. Previously Paid For" (Total or indep.) is the highest number found in the appropriate box in Col. 1 of a prior amendment or the number of claims originally filed.

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)  
 I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on **August 20, 2004**.

- Please charge Deposit Account No. 50-0679 in the amount of \$\_\_\_\_. Two (2) copies of this sheet are enclosed.
- The amount of \$\_\_\_\_\_ is authorized to be charged to a Credit Card. Form PTO-2038 is enclosed.
- Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. §§1.16 and/or 1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 50-0679. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 50-0679 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

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Respectfully submitted,



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Attorney for Applicant(s)

IPW ✓



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicant:** James J. Fallon

**Examiner:** Nguyen, Linh V.

**Serial No.:** 10/668,768

**Group Art Unit:** 2819

**Filed:** September 22, 2003

**Docket:** 8011-1CIPCON

**For:** **CONTENT INDEPENDENT DATA  
COMPRESSION METHOD AND SYSTEM**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA. 22313

**AMENDMENT**

This is a response to the Office Action mailed on February 20, 2004. Please amend the application as follows:

**CERTIFICATE OF MAILING 37 C.F.R. § 1.8(a)**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on August 20, 2004.

Date: 8/20/04

  
\_\_\_\_\_  
Frank V. DeRosa

## Listing of Claims

1. (Currently Amended) A method for compressing data, comprising the steps of:  
analyzing a data block of an input data stream to identify ~~a data type~~ one or more data types of the data block, the input data stream comprising a plurality of disparate data types;  
performing content dependent data compression ~~on the data block~~, if ~~the~~ a data type of the data block is identified;  
performing ~~content independent~~ data compression ~~on the data block~~ with a single data compression encoder, if ~~the~~ a data type of the data block is not identified.

23. (New) The method of claim 1, further comprising outputting a compressed data block.

24. (New) The method of claim 1, further comprising appending a data compression type descriptor to a compressed data block.

25. (New) The method of claim 24, further comprising outputting the compressed data block with the appended data compression type descriptor.

26. (New) A method for compressing data, comprising the steps of:  
analyzing a data block of an input data stream to estimate one of a plurality of data compression methods or encoders that would provide a highest compression ratio for the data block;

selecting the data compression method or encoder estimated to provide the highest compression ratio for the data block; and

compressing the data block with the selected data compression method or encoder.

27. (New) The method of claim 26, further comprising outputting the compressed data block.

28. (New) The method of claim 26, further comprising appending a data compression type descriptor to the compressed data block.

29. (New) The method of claim 28, further comprising outputting the compressed data block with the appended data compression type descriptor.

30. (New) A method for compressing data, comprising the steps of:  
analyzing a data block of an input data stream to identify a data type of the data block, the input data stream comprising a plurality of disparate data types,

if the data type of the data block is identified, then the method further comprising:

performing content dependent data compression to compress the data block;

comparing a content dependent data compression ratio of the compressed data

block against a first threshold;

appending a data compression type descriptor to the compressed data block;

outputting the compressed data block and appended data compression type

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