



The Chinese University of Hong Kong
Non-confidential Abstract of Technology Disclosure

Title:

Context-based, Adaptive, Lossless Image Codec

CUHK Ref. No.:

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Inventor:

Professor Xiaolin WU, Department of Information Engineering

Patent Status:

US Patent no. 5,903,676

Non-confidential abstract:

An encoding/decoding method is provided for lossless compression of digital pictures of all types, including continuous-tone images, graphics, multimedia images of mixed text, graphics and photographs binary documents and drawings. Continuous-tone mode and binary mode are identified on a pixel-by-pixel basis. In continuous-tone mode, context modeling and prediction are employed involving mostly integer arithmetic and simple logic in a conceptually sophisticated scheme. Both the encoding and decoding techniques are suitable for sequential and progressive transmission, although different specific algorithms may be employed for the different specific cases.

For further queries, please contact:

Mr Billy Lam
Technology Licensing Coordinator
Tel: (852) 2609 8882
Fax: (852) 2603 5451
Email: billylam@cuhk.edu.hk

Address:
Technology Licensing Office
The Chinese University of Hong Kong
Room 226, Pi Ch'iu Bldg, Shatin, New Territories
Hong Kong SAR