

Title (en)

METHOD AND APPARATUS FOR OPTIMIZED LOSSLESS COMPRESSION USING A PLURALITY OF CODERS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR OPTIMIERTEN VERLUSTLOSEN KOMPRIMIERUNG MIT MEHREREN CODIERERN

Title (fr)

PROCEDE ET APPAREIL DE COMPRESSION SANS PERTE OPTIMISES A L'AIDE D'UNE PLURALITE DE CODEURS

Publication

EP 1266455 A4 20030618 (EN)

Application

EP 01912942 A 20010222

Priority

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Abstract (en)

[origin: WO0163772A1] A method of lossless compression of a stream of data first includes using a plurality of lossless coders to compress a test portion of the data stream (30). Once the test portion is compressed, the method determines a performance characteristic(s) associated with each of the lossless coders (32). Then the method selects one of the lossless coders based on the performance characteristic(s) and encodes a first portion of the data stream with the selected coder. Thereafter, the method includes repeating the using, determining, selecting and encoding steps for another test portion and a second portion of the data stream. Notably, the repeating step may include selecting a different one of the lossless coders.

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IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [XY] WO 9748212 A1 19971218 - NOKIA TELECOMMUNICATIONS OY [FI], et al
- [XY] US 5708511 A 19980113 - GANDHI BHAVAN R [US], et al
- [X] EP 0405572 A2 19910102 - FUJITSU LTD [JP]
- [X] HSU W H ET AL: "AUTOMATIC SYNTHESIS OF COMPRESSION TECHNIQUES FOR HETEROGENEOUS FILES", SOFTWARE PRACTICE & EXPERIENCE, JOHN WILEY & SONS LTD. CHICHESTER, GB, vol. 25, no. 10, 1 October 1995 (1995-10-01), pages 1097 - 1116, XP000655539, ISSN: 0038-0644
- See references of WO 0163772A1

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