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
• US 0105722 W 20010222
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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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H03M 7/34; H04N 1/415; H03M 7/30

IPC 8 full level
H03M 7/40 (2006.01); **H03M 7/30** (2006.01)

CPC (source: EP)
H03M 7/30 (2013.01)

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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DOCDB simple family (application)
US 0105722 W 20010222; AU 4167201 A 20010222; CN 01808587 A 20010222; EP 01912942 A 20010222; JP 2001562848 A 20010222; TW 90104613 A 20010226