Title (en)

MULTI-FORMAT AUDIO/VIDEO PRODUCTION SYSTEM WITH FRAME-RATE CONVERSION

Title (de)

MULTIFORMAT-AUDIO-VIDEO-PRODUKTIONSSYSTEM MIT BILDFREQUENZUMWANDLUNG

Title (fr)

SYSTEME DE PRODUCTION AUDIO/VIDEO MULTIFORMAT AVEC CONVERSION DE LA FREQUENCE DE TRAMES

Publication

EP 0997039 A1 20000503 (EN)

Application

EP 96904562 A 19960123

Priority

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- US 5086193 A 19930421

Abstract (en)

[origin: WO9727704A1] A program input may be translated into any of various graphics or television formats, and stored as compressed images, using any of several commercially available methods. While being processed, the images (e.g. 180) may be re-sized (182, 184) to produce a desired aspect ratio or dimensions using conventional techniques, such as interpolation, and signals within the video data stream optionally may be used to control "pan-scan" operations at a receiving end, in case this end does not have the same aspect ratio as the source signal. Frame rate conversion to and from conventional formats is performed by using the techniques employed for well known film-to-NTSC and film-to-PAL transfers, or by inter-frame interpolation. By judicious selection of the optimal digitizing parameters, the system allows a user to establish an inter-related family of aspect ratios, resolutions, and frame rates, and yet remain compatible with currently available and planned formats.

IPC 1-7

H04N 7/01

IPC 8 full level

G06F 3/14 (2006.01); **G06T 9/00** (2006.01); **G11B 27/031** (2006.01); **G11B 27/34** (2006.01); **H04N 1/00** (2006.01); **H04N 5/222** (2006.01); **H04N 5/232** (2006.01); **H04N 5/765** (2006.01); **H04N 7/01** (2006.01); **H04N 7/10** (2006.01); **H04N 7/14** (2006.01); **H04N 7/15** (2006.01); **H04N 7/18** (2006.01); **H04N 9/804** (2006.01); G11B 27/00 (2006.01); G11B 27/024 (2006.01); G11B 27/032 (2006.01); G11B 27/034 (2006.01); H04N 5/44 (2011.01); H04N 5/77 (2006.01); H04N 5/781 (2006.01); H04N 5/85 (2006.01); H04N 5/915 (2006.01); H04N 5/926 (2006.01); H04N 9/64 (2006.01)

CPC (source: EP US)

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