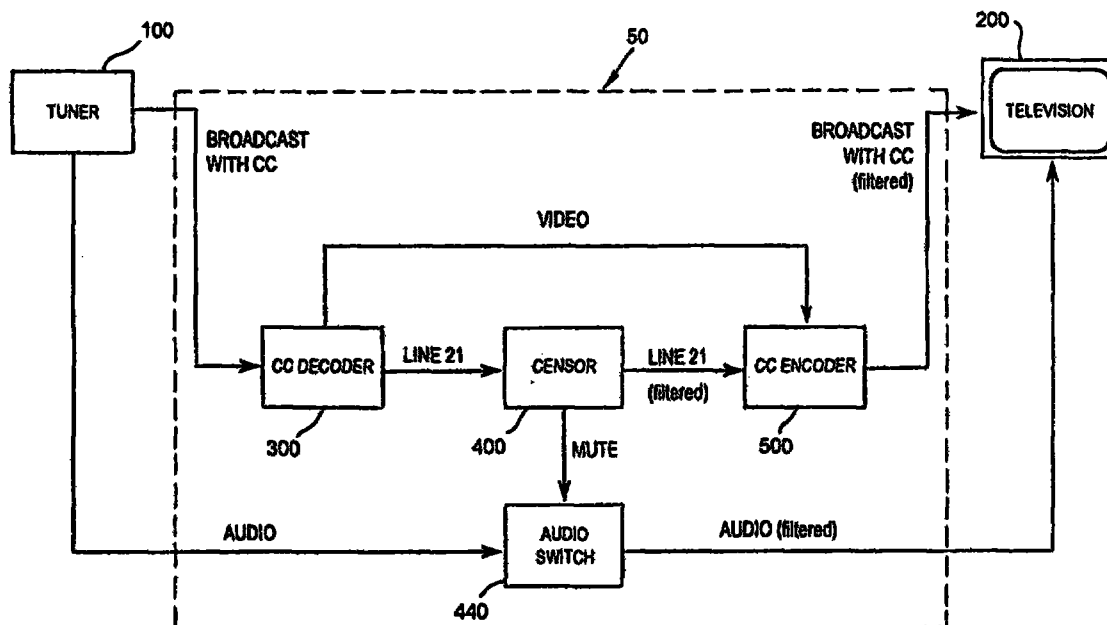




## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| <b>(51) International Patent Classification <sup>6</sup> :</b><br><b>H04N 7/088, 7/16</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>A1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>(11) International Publication Number:</b> <b>WO 99/34598</b><br><b>(43) International Publication Date:</b> <b>8 July 1999 (08.07.99)</b> |
| <b>(21) International Application Number:</b> PCT/CA98/01155<br><b>(22) International Filing Date:</b> 22 December 1998 (22.12.98)<br><b>(30) Priority Data:</b><br>08/997,531      23 December 1997 (23.12.97)      US<br><b>(71) Applicant:</b> CAPTION TV INC. [CA/CA]; 88 Templeson Road N.E., Calgary, Alberta T1Y 5M1 (CA).<br><b>(72) Inventor:</b> LAPIERRE, Diane; 88 Templeson Road N.E., Calgary, Alberta T1Y 5M1 (CA).<br><b>(74) Agents:</b> RUSTON, David, A. et al.; Sim & McBurney, 6th floor, 330 University Avenue, Toronto, Ontario M5G 1R7 (CA). | <b>(81) Designated States:</b> AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).<br><br><b>Published</b><br><i>With international search report.</i> |                                                                                                                                               |

(54) Title: CENSORING DEVICE TO CENSOR CLOSED CAPTIONING OF VIDEO SIGNAL



## (57) Abstract

A censoring device (50) to censor closed captioning forming part of a video signal comprises a decoder (300) receiving an incoming video signal including closed captioning. The decoder (300) separates the closed captioning from the video signal. A closed caption censor (400) receives the separated closed captioning from the decoder and censors the same to form censored closed captioning. A generator (500) receives the video signal and the censored closed captioning and combines the censored closed captioning and the video signal.