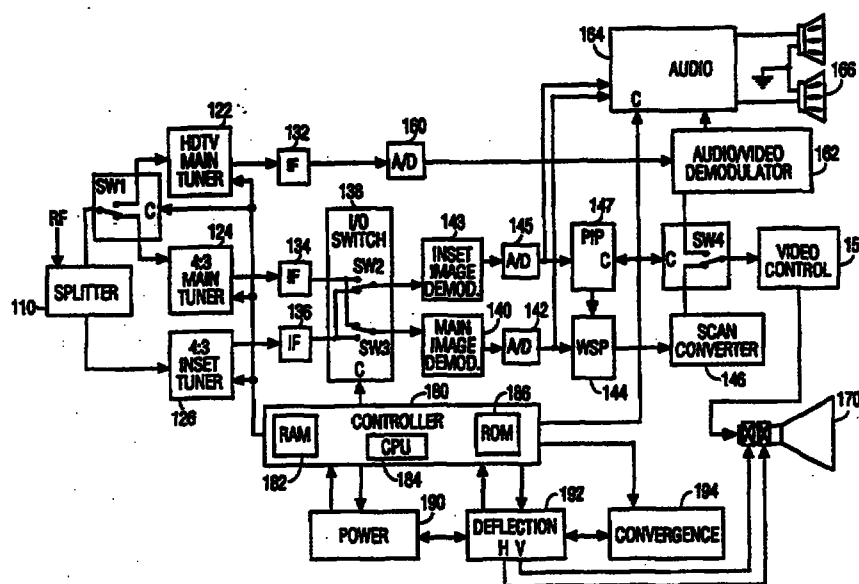




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(71) Applicant (for all designated States except US): THOMSON CONSUMER ELECTRONICS, INC. [US/US]; 10330 North Meridian Street, Indianapolis, IN 46290-1024 (US).			
(72) Inventors; and			
(75) Inventors/Applicants (for US only): DUFFIELD, David, Jay [US/US]; 5459 Fall Creek Road, Indianapolis, IN 46220 (US). ALTMANSHOFER, Robert, Dale [US/US]; 921 Ashton Place, Carmel, IN 46033 (US).			
(74) Agents: TRIPOLI, Joseph, S. et al.; GE & RCA Licensing Management Operation, Inc., CN 5312, Princeton, NJ 08540 (US).			

(54) Title: SIGNAL SWAP APPARATUS FOR A TELEVISION RECEIVER HAVING AN HDTV MAIN PICTURE SIGNAL PROCESSOR AND AN NTSC PIX-IN-PIX SIGNAL PROCESSOR



(57) Abstract

A television receiver system having PIP capability includes two NTSC tuners (124, 126) and signal processing arrangements (134, 143, 145, 136, 140, 142), and an HDTV tuner (122) and signal processing arrangement (132, 160, 162). In order to accomplish a CHANNEL SWAP function, a controller (180) searches a table for data indicative of pairing of NTSC channels and HDTV channels, the NTSC channel associated with the main channel HDTV source is tuned by the PIP NTSC tuner (126), and the HDTV channel associated with the PIP NTSC source is tuned by the HDTV tuner (122). If the inset image (205) has no paired HDTV channel then the second NTSC tuner (124) is controlled to select the channel formerly tuned by the PIP NTSC tuner (126).

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