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The diagram illustrates a video processing system for HDTV material. The input is 'ORIGINAL HDTV VIDEO MATERIAL 08'. This signal is split: one path goes to a 'CTRL. 90' block, and the other goes to a 'TEMPORAL PROCESSING TO 30 Hz PROGRESSIVE' block. The 'CTRL. 90' block also receives 'FMT CTRL' from the 'MUX' block and outputs signal '50' to the first temporal processing block. The 'TEMPORAL PROCESSING TO 30 Hz PROGRESSIVE' block outputs signal '31' to a 'SPATIAL PROCESSING TO 601 RESOLUTION' block. The 'SPATIAL PROCESSING' block outputs signal '40' to a second temporal processing block, 'TEMPORAL PROCESSING TO 30/70 Hz'. The 'MUX' block receives signals '101' from 'MPEG ENC. 100', '121' from 'MPEG ENC. 120', '131' from 'MPEG ENC. 130', and '141' from 'MPEG ENC. 140'. The 'MUX' block outputs signal '150' to a 'DEC. 07' block, which then outputs signal '210' to a 'SYNC BLOCK FORMAT BIT-STREAM 200' block. The 'DEC. 07' block also receives signal '220' from the 'SYNC BLOCK FORMAT BIT-STREAM 200' block.