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(54) **Title**: INFORMATION SIGNAL REPRESENTATION USING LAPPED TRANSFORM

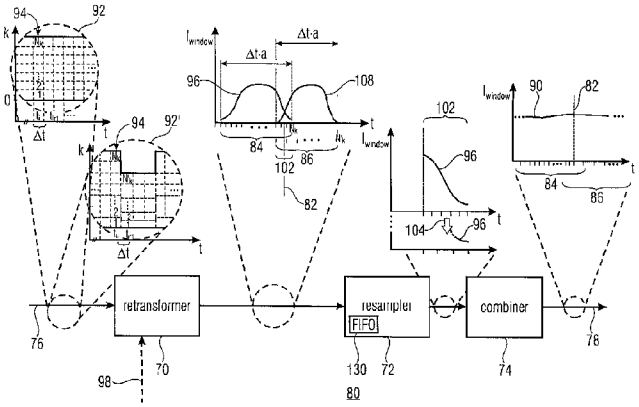


FIG 5

(57) **Abstract**: An information signal reconstructor is configured to reconstruct, using aliasing cancellation, an information signal from a lapped transform representation of the information signal comprising, for each of consecutive, overlapping regions of the information signal, a transform of a windowed version of the respective region, wherein the information signal reconstructor is configured to reconstruct the information signal at a sample rate which changes at a border (82) between a preceding region (84) and a succeeding region (86) of the information signal. The information signal reconstructor comprises a retransformer (70) configured to apply a retransformation on the transform (94) of the windowed version of the preceding region (84) so as to obtain a retransform (96) for the preceding region (84), and apply a retransformation on the transform of the windowed version of the succeeding region (86) so as to obtain a retransform (100) for the succeeding region (86), wherein the retransform (96) for the preceding region (84) and the retransform (106) for the succeeding region (86) overlap at an aliasing cancellation portion (102) at the border (82) between the preceding and succeeding regions; a resampler (72) configured to resample, by interpolation, the retransform (96) for preceding region (84) and/or the retransform (100) for the succeeding region (86) at the aliasing cancellation portion (102)according to a sample rate change at the border (82); and a combiner (74) configured to perform aliasing cancellation between the retransforms (96, 100) for the preceding and succeeding regions (84, 86) as obtained by the resampling at the aliasing cancellation portion (102).

WO 2012/110478 A1