

ABSTRACT

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DIGITAL RECEIVER

A digital receiver, comprising: a frequency converter (100, 101, 102, 103, 104, 105) arranged to convert a received signal into baseband signals; delay units (106, 107) arranged to delay the baseband signals to provide delayed signals; normalizing means (108) arranged to truncate the baseband signals and the delayed signals to a predetermined length and provide normalized signals; a demodulator (109) arranged to demodulate the normalized signals and provide a demodulated signal; and frequency offset sensing means (110) arranged to sense an envelope of the demodulated signal to provide an offset signal indicative of a frequency offset of the received signal.

FIG. 1