

**METHOD FOR REDUCTION OF ALIASING INTRODUCED BY SPECTRAL
ENVELOPE ADJUSTMENT IN REAL-VALUED FILTERBANKS**

5

ABSTRACT

The present invention proposes a new method for improving the performance of a real-valued filterbank based spectral envelope adjuster. By adaptively locking the gain values for adjacent
10 channels dependent on the sign of the channels, as defined in the application, reduced aliasing is achieved. Furthermore, the grouping of the channels during gain-calculation, gives an improved energy estimate of the real valued subband signals in the filterbank.

15