

A SYSTEM AND METHOD FOR SUPPORTING DUAL SPEECH CODECS

ABSTRACT

[00106] The preferred embodiment addresses the fixed codebook search portion of the speech codec, to efficiently support two codecs by a single implementation. In particular, the two codecs are G.723.1 (5.3kbps) and G.729A. By modifying the fixed codebook search algorithm of G.723.1 to be similar to that of G.729A would advantageously result in a single fixed codebook search algorithm being used for both these codecs. Present G.723.1 fixed codebook search algorithms are based on "Focused Nested-loop search". Proposing a new G.723.1 codebook search algorithm to be based on "Depth-first tree search" would then have the desired effect of having one fixed codebook search for both G.723.1 and G.729A.

[00107] FIG.10B accompanies the abstract.