

MDCT-BASED COMPLEX PREDICTION STEREO CODINGABSTRACT

5 The invention provides methods and devices for stereo encoding and
decoding using complex prediction in the frequency domain. In one embodiment, a
decoding method, for obtaining an output stereo signal from an input stereo signal
encoded by complex prediction coding and comprising first frequency-domain
representations of two input channels, comprises the upmixing steps of: (i)
10 computing a second frequency-domain representation of a first input channel; and (ii)
computing an output channel on the basis of the first and second frequency-domain
representations of the first input channel, the first frequency-domain representation
of the second input channel and a complex prediction coefficient. The upmixing can
be suspended responsive to control data.

15 Fig. 2