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<p>(21) International Application Number: PCT/SG97/00076 (22) International Filing Date: 27 December 1997 (27.12.97)</p> <p>(71) Applicant (for all designated States except US): SGS-THOMSON MICROELECTRONICS ASIA PACIFIC (PTE) LTD. [SG/SG]; 28 Ang Mo Kio Industrial Park 2, Singapore 569508 (SG).</p> <p>(72) Inventors; and (75) Inventors/Applicants (for US only): ABSAR, Mohammed, Javed [IN/SG]; Block 411, #09-1006 Hougang Avenue 10, Singapore 530411 (SG). GEORGE, Sapna [IN/SG]; Block 315, #06-220 Serangoon Avenue 2, Singapore 550315 (SG). ALVAREZ-TINOCO, Antonio, Mario [GB/SG]; 32 Toh Tuck Road #03-01, Singapore 596710 (SG).</p> <p>(74) Agent: DONALDSON & BURKINSHAW; P.O. Box 3667, Singapore 905667 (SG).</p>		<p>(81) Designated States: JP, SG, US, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).</p> <p>Published With international search report.</p>
<p>(54) Title: METHOD AND APPARATUS FOR ESTIMATION OF COUPLING PARAMETERS IN A TRANSFORM CODER FOR HIGH QUALITY AUDIO</p>		
<p>(57) Abstract</p> <p>A method and apparatus for determining parameters for coupling of channels in a digital audio encoder. A frequency range of two audio channels is coupled together in a coupling channel, and a systematic method of determining optimum coupling parameters is employed. Sub-bands of the channels are processed individually, and a measure of the power of each sub-band is used to determine a coupling coefficient generation scheme for each individual sub-band. Adjacent ones of the sub-bands using the same coupling scheme are combined to form bands in the coupling channel, which dictate the generation of the coupling coordinates for the audio channels. The arrangement of the sub-bands in bands also facilitates the generation of phase flags for each band, on the basis of the coupling scheme used in the band.</p>		