

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
10 May 2001 (10.05.2001)

PCT

(10) International Publication Number
WO 01/33726 A1

(51) International Patent Classification: H04B 1/66,
G10L 19/14

Avenue 10, Singapore 530411 (SG). GEORGE, Sapna
[IN/SG]; Block 315, #06-220 Serangoon Avenue 2, Singa-
pore 550315 (SG).

(21) International Application Number: PCT/SG99/00110

(74) Agent: DONALDSON & BURKINSHAW; P.O. Box
3667, Singapore 905667 (SG).

(22) International Filing Date: 30 October 1999 (30.10.1999)

(25) Filing Language:

English

(81) Designated States (national): JP, SG, US.

(26) Publication Language:

English

(84) Designated States (regional): European patent (AT, BE,
CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC,
NL, PT, SE).

(71) Applicant (for all designated States except US): STMI-
CROELECTRONICS ASIA PACIFIC PTE LTD.
[SG/SG]; 28 Ang Mo Kio Industrial Park 2, Singapore
569508 (SG).

Published:

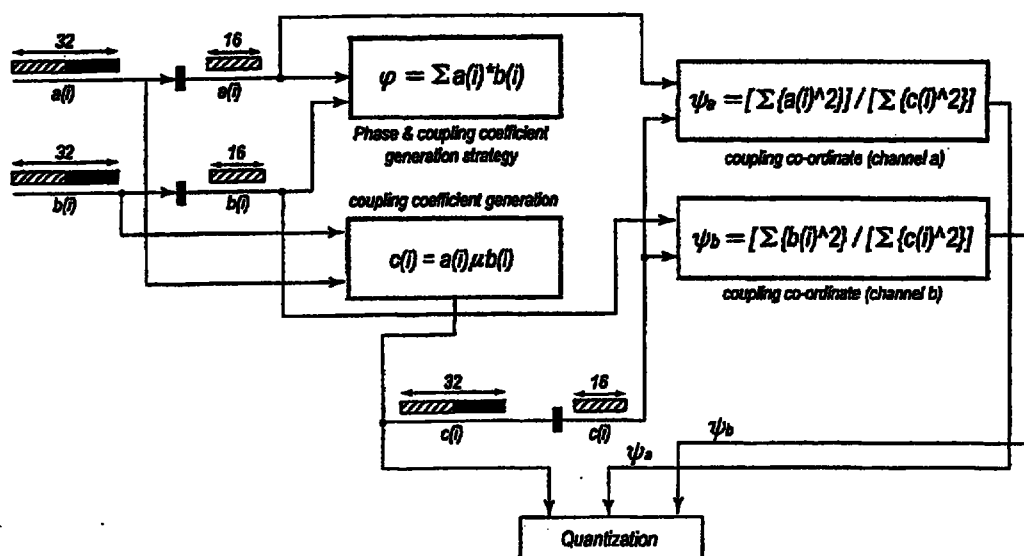
— With international search report.

(72) Inventors; and

(75) Inventors/Applicants (for US only): ABSAR, Mo-
hammed, Javed [IN/SG]; Block 411, #09-1006 Hougang

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: CHANNEL COUPLING FOR AN AC-3 ENCODER



WO 01/33726 A1

(57) Abstract: Channel coupling for an AC-3 encoder, using mixed precision computations and 16-bit coupling coefficient calculations for channels with 32-bit frequency coefficients.