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(74) Agents: TRIPOLI, Joseph, S. et al.; Thomson multimedia Licensing Inc., P.O. Box 5312, Princeton, NJ 08540 (US). (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.

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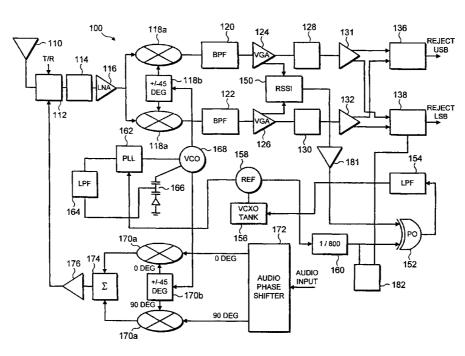
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: A NOVEL LOW COST/LOW POWER ANALOG TRANSCEIVER ARCHITECTURE



(57) Abstract: A time division duplex (TDD) single sideband (SSB) transceiver includes a transmitter adapted to input an analog audio signal, sample the analog audio signal, and to output an SSB frequency shift keyed (FSK) signal corresponding to the analog audio signal, the SSB FSK signal including analog information. A receiver is adapted to switch between receiving one of an upper sideband and a lower sideband of an external SSB signal.



INTERNATIONAL SEARCH REPORT

Interr anal Application No PCT/US 01/06402

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H04B1/30 H04B1/40							
According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED							
Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04B							
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Electronic data base consulted during the international search (name of data base and, where practical, search terms used)							
EPO-In	ternal, WPI Data, PAJ, INSPEC						
C. DOCUMI	ENTS CONSIDERED TO BE RELEVANT						
Category °	Citation of document, with indication, where appropriate, of the rele	evant passages	Relevant to claim No.				
А	US 5 241 566 A (JACKSON CHARLES R 31 August 1993 (1993-08-31) abstract claims 1-3; figures 1-3	1-10					
A	EP 0 963 053 A (LUCENT TECHNOLOGIES INC) 8 December 1999 (1999-12-08) abstract claims 1-9; figure 2		1-10				
Further documents are listed in the continuation of box C. Patent family members are listed in annex.							
Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but							
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citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or 'O' document referring to an oral disclosure, use, exhibition or 'O' document referring to an oral disclosure, use, exhibition or							
other means ments, such combination being obvious to a person skilled in the art.							
later than the priority date claimed '8' document member of the same patent family							
Date of the actual completion of the international search Date of mailing of the international search report							
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NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Lazaridis, P					

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