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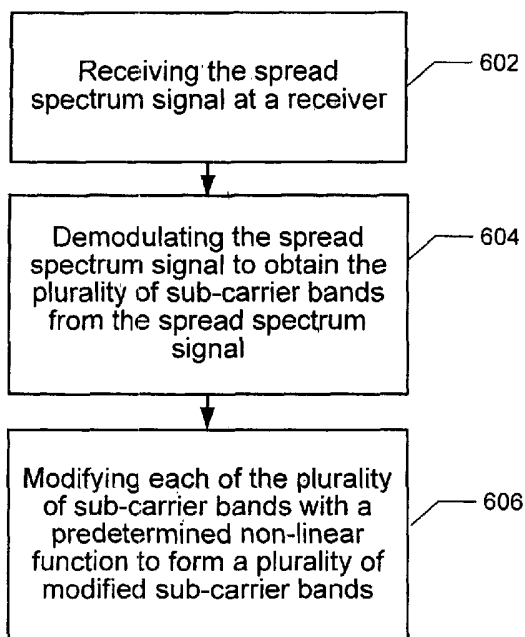
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(54) Title: MULTI-CARRIER SPREAD SPECTRUM USING NON-LINEAR MODIFICATION OF SUB-CARRIER BANDS

600



(57) Abstract: A multi-carrier spread spectrum (MC-SS) technique is disclosed which includes non-linearly modifying the sub-carriers (606) in the receiver. A method (600) and receiver for processing an MC-SS signal, a transceiver for MC-SS communications, and an MC-SS radar are described.

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B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 375/144,148,259-260,285-286,316,346,348;370/208,295,319-320,344 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EAST DATABASE		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,028,844 A (SILBERGER et al.) 22 February 2000 (22.02.2000), see column 7, lines 2-35, see column 14, lines 10-60; column 17, lines 10-64, see also figure 6 and figure 9.	1-9, 18-19, 20-22
Y	US 5,521,937 A (KONDO et al.) 28 MAY 1996 (28.05.1996), see column 5 line 47 via column 6 line 65.	1-9,18-19, 20-22
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230	Authorized officer KHANH TRAN Telephone No. 571-272-3007 <i>Rugenia Lopez</i>	