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Gaudenzi et al.

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[54] **DIRECT-SEQUENCE SPREAD-SPECTRUM RECEIVER INCLUDING CODE ACQUISITION AND DETECTION USING AN AUTOADAPTIVE THRESHOLD**

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[57] ABSTRACT

[30] **Foreign Application Priority Data**

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The invention relates to the recognition of a spread spectrum data signal transmitted in code division multiple access communication systems. The invention provides a receiver whose code acquisition and detection circuit includes circuitry configured for detecting the signal received by using an audio adaptive detection threshold generated locally from the output signal of the detection circuit itself. The invention is used for example, in terrestrial or satellite radio communication systems.

[51] **Int. Cl.⁶** **H04B 1/707**

[52] **U.S. Cl.** **375/206; 375/207**

[58] **Field of Search** **375/200, 206, 375/207, 343, 367**

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6 Claims, 8 Drawing Sheets

