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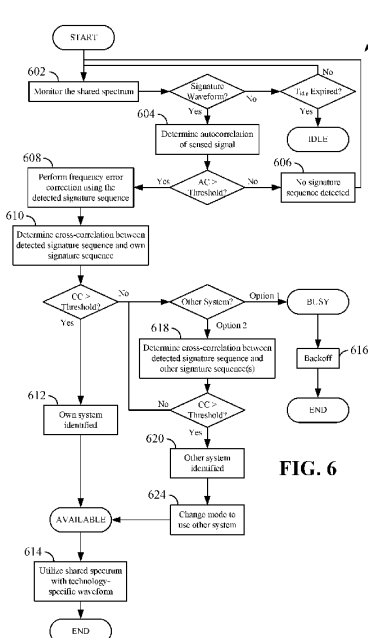
(54) **Title:** SIGNATURE SEQUENCE FOR SYSTEM IDENTIFICATION IN A SHARED SPECTRUM

FIG. 6

(57) **Abstract:** Aspects of the disclosure relate to wireless communication systems configured to share a shared spectrum with one or more other systems (e.g., other operator networks utilizing the same radio access technology, and/or other networks utilizing different radio access technologies). Coexistence between the different systems on the shared spectrum may be provided by utilizing a technology-neutral signature waveform such as a signature sequence. A device or system may monitor a shared spectrum channel for the signature waveform, and when detected, may determine whether the shared spectrum is available for that system, or busy as occupied by another system. When the shared spectrum channel is idle, the device or system may reserve the channel by transmitting the signature waveform. Other aspects, embodiments, and features are also claimed and described.

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

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