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(54) **UNAUTHORIZED CALL ACTIVITY
DETECTION AND PREVENTION SYSTEMS
AND METHODS FOR A VOICE OVER
INTERNET PROTOCOL ENVIRONMENT**

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See application file for complete search history.

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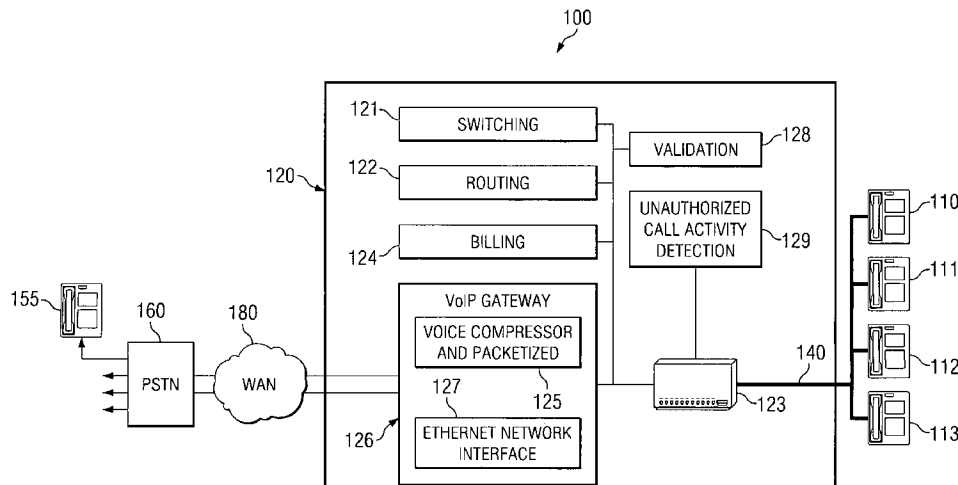
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(57) **ABSTRACT**

Embodiments connect a call in which at least one party is a VoIP call party and monitoring resulting VoIP signals for unauthorized call activity, such as three-way call activity. The monitoring may include monitoring the call for suspend and/or resume events to detect the unauthorized call activity, the suspend and resume events may be generated by a telephone system and passed into a VoIP system associated with the VoIP call party. The monitoring may be carried out by an agent disposed between a VoIP gateway and the VoIP call party or by the VoIP gateway itself.

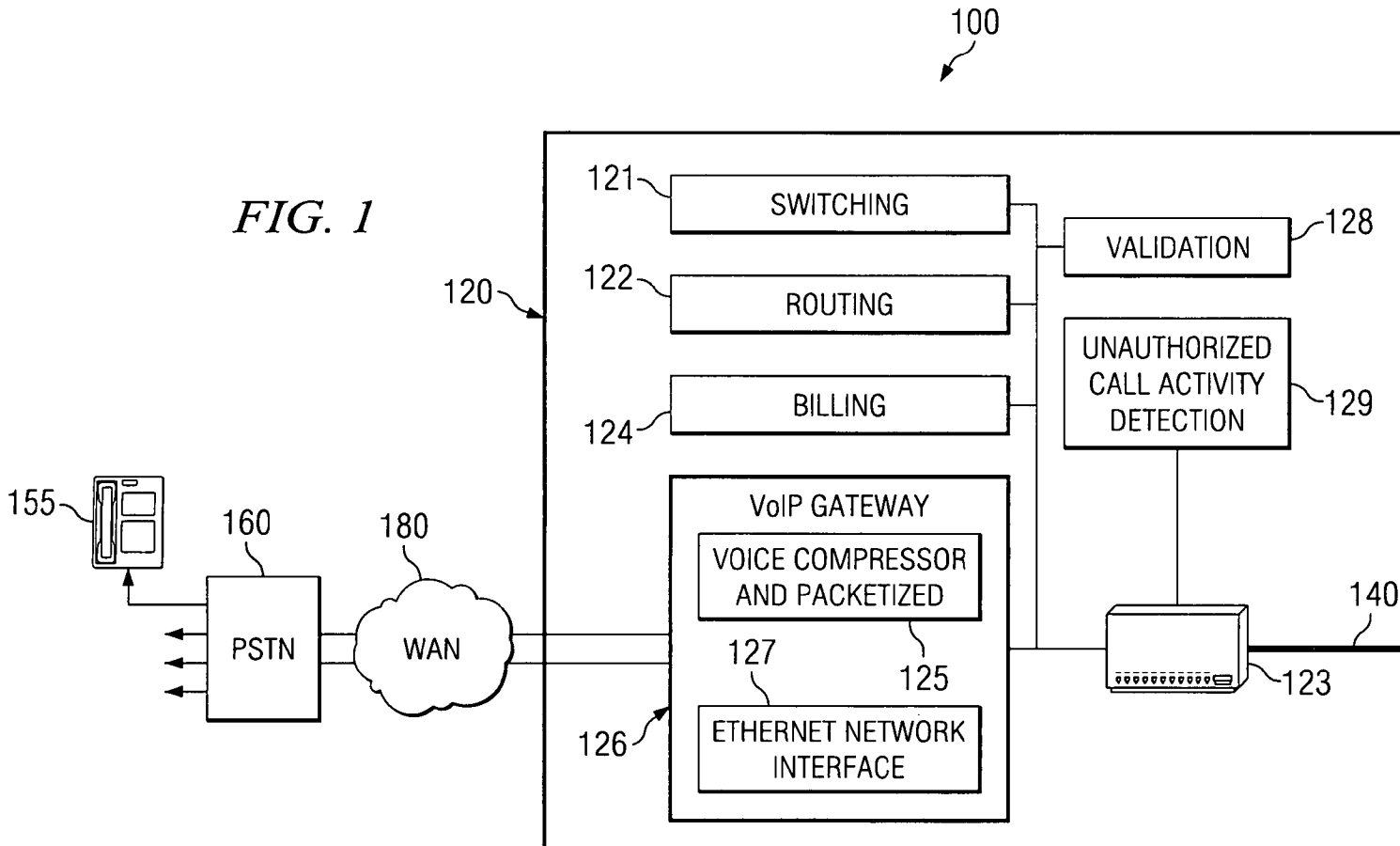
41 Claims, 3 Drawing Sheets



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FIG. 1



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