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(54) **CHIRP SIGNAL FILTERING FOR DIGITAL GATEWAY**

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(71) Applicant: **Cubic Corporation**, San Diego, CA (US)

(72) Inventors: **Stephen J. Mansfield**, Weymouth (GB); **Neal F. Nystrom**, Potomac Falls, VA (US)

(73) Assignee: **Cubic Corporation**, San Diego, CA (US)

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ABSTRACT

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A system and method for filtering chirp noise as it passes through a Radio over Internet Protocol (RoIP) gateway in a communication network is disclosed. Radio signals often include a short burst of chirp noise. Incoming signals are buffered and any chirp noise is detected. A chirp filter performs the filtering operation to remove chirp signal while ensuring true audio in not clipped. Without audio clipping the integrity of the audio signals are preserved.

