



(54) **PACKET REPLACEMENT DURING POOR NETWORK CONNECTIVITY OR NETWORK CONGESTION**

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(57) **ABSTRACT**

A server generates a continuous audio stream during periods of poor network connectivity or network congestion. The server obtains a first audio stream from a user device connected to a real-time communication session and detects one or more missing packets in the first audio stream. The server obtains recorded portions of audio that correspond to the missing packets and combines the recorded portions of the audio with the first audio stream to generate the continuous audio stream without missing packets. The server transmits the continuous audio stream to other user devices connected to the real-time communication session.

