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(57) Abstract :

The present invention relates to the field of data security and specifically addresses the prevention of unauthorized data exfiltration through voice and video communication channels. The invention encompasses a voice and video watermarking system (100) that embeds imperceptible data within media streams to enable secure identification, traceability, and prevention of data leakage. The system (100) and method (300) operates in real-time, ensuring the integrity and confidentiality of sensitive information exchanged through voice and video channels. The voice and video watermarking system (100) consists of several interconnected units that work together to ensure the integrity and confidentiality of sensitive content. In conclusion, the voice and video watermarking system (100) and method (300) for exfiltration prevention represents a significant advancement in data security. By embedding imperceptible watermarks and employing sophisticated detection techniques, the system (100) and method (300) provides robust protection against unauthorized data leakage.

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