

FEATURES/BENEFITS

- ▶ Perfect secrecy in clouds can be achieved with much smaller key size than the file size.
- ▶ As compared to previous work, efficient encryption is achieved without encoding data with an additional bit.
- ▶ Does not require any restriction on an eavesdropper storage size or computational capability (both a user and an eavesdropper are assumed to have unlimited storage and computational complexity capabilities).

INTELLECTUAL PROPERTY INFORMATION

Country	Type	Number	Dated	Case
United States Of America	Published Application	20200320227	10/08/2020	2019-506

RELATED MATERIALS

- ▶ [Kiskani, M. K., Sadjadpour, H. R., Rahimi, M. R., & Etemadieh, F. \(2018, May\). Low complexity secure code \(LCSC\) design for big data in cloud storage systems. In 2018 IEEE International Conference on Communications \(ICC\) \(pp. 1-7\). IEEE. - 07/30/2018](#)
- ▶ [Kiskani, M. K., & Sadjadpour, H. R. \(2017, August\). Secure and private cloud storage systems with random linear fountain codes. In 2017 IEEE SmartWorld, Ubiquitous Intelligence & Computing, Advanced & Trusted Computed, Scalable Computing & Communications, Cloud & Big Data Computing, Internet of People and Smart City Innovation \(SmartWorld/SCALCOM/UIC/ATC/CBDCom/IOP/SCI\) \(pp. 1-8\). IEEE. - 06/28/2018](#)

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- ▶ [Extra-Compact Key with Reusable Common Key for Encryption](#)
- ▶ [Interference Management for Concurrent Transmission in Downlink Wireless Communications](#)
- ▶ [Compact Key Encoding of Data for Public Exposure Such As Cloud Storage](#)

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