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(54) **ANONYMOUS, AUTHENTICATED AND PRIVATE SATELLITE TASKING SYSTEM**

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(57) **ABSTRACT**

Systems, methods and devices for implementing cryptographic and security-in-depth techniques on-board spacecrafts or satellites are provided, to allow users to task activities or retrieve satellite data from the satellite system in an anonymous, secure, safe, and private manner, such that no other user sharing the satellite system resources can know what has been tasked or transmitted to the ground. Considerable advantages can be realized by providing spacecraft or satellite systems with a substantial capacity of applying security-in-depth and cryptographic techniques and protocols to data and requests, based on autonomous tasking, allowing a secure, safe and private use of spacecraft or satellite resources.