



US 20240214193A1

(19) **United States**(12) **Patent Application Publication**
LU(10) **Pub. No.: US 2024/0214193 A1**(43) **Pub. Date: Jun. 27, 2024**(54) **METHOD AND APPARATUS FOR
GENERATING WORKING KEY, AND
COMPUTER-READABLE STORAGE
MEDIUM**(52) **U.S. Cl.**
CPC **H04L 9/0861** (2013.01)(57) **ABSTRACT**(71) Applicant: **FEITIAN TECHNOLOGIES CO.,
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§ 371 (c)(1),

(2) Date: **Oct. 24, 2023**(30) **Foreign Application Priority Data**

Sep. 16, 2021 (CN) 202111083495.5

Publication Classification(51) **Int. Cl.**
H04L 9/08 (2006.01)

The invention provides a working key generation method and device and a computer readable storage medium, and belongs to the technical field of information security. The method comprises the following steps: the terminal receiving an operation instruction sent by an upper computer, obtaining a working key purpose and a working key algorithm according to the operation instruction, setting the working key purpose as a first purpose by the terminal, generating derived data according to the first purpose, a master key identifier, a first numerical value and a master key algorithm, determining the length of a working key according to the working key algorithm, obtaining data in a working key buffer area as a key, generating the working key according with the length of the working key according to the key and the derived data, executing corresponding operation according to the operation instruction and the working key, and returning an operation result to the upper computer. Compared with an encryption scheme in the prior art, the method provided by the invention is safer and wider in application range.

