



US 20230232234A1

(19) **United States**(12) **Patent Application Publication** (10) **Pub. No.: US 2023/0232234 A1**  
(43) **Pub. Date: Jul. 20, 2023**  
**Sébire et al.**(54) **PARTIAL INTEGRITY PROTECTION IN  
TELECOMMUNICATION SYSTEMS**(52) **U.S. Cl.**  
CPC ..... **H04W 12/106** (2021.01); **H04W 8/24**  
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Turtinen**, Ii (FI); **Chunli Wu**, Beijing  
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Example embodiments of the present disclosure relate to partial integrity protection in telecommunication systems. According to embodiments of the present disclosure, there is provided a solution for implementing partial integrity protection. The terminal device receives configuration of the partial integrity protection and applies the integrity protection on a portion of data packets which are communicated between communication devices. In this way, the communication devices can always provide integrity protection for services, regardless of their bit rate. Thus, security of communication can be improved. It also allows to provide integrity protection with limited impacts to power consumption and overheating.

(21) Appl. No.: **17/997,910**(22) PCT Filed: **May 14, 2020**(86) PCT No.: **PCT/CN2020/090350**

§ 371 (c)(1),

(2) Date: **Nov. 3, 2022****Publication Classification**(51) **Int. Cl.**  
**H04W 12/106** (2006.01)  
**H04W 8/24** (2006.01)