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Elend(10) **Pub. No.: US 2023/0231737 A1**(43) **Pub. Date: Jul. 20, 2023**(54) **CONTROLLER AREA NETWORK MODULE
AND METHOD FOR THE MODULE**(52) **U.S. Cl.**CPC .. *H04L 12/40013* (2013.01); *H04L 12/40026*
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(57)

ABSTRACT

A CAN module that can be integrated between a CAN controller and a CAN transceiver includes a receive data (RXD), input interface for receiving a first bit sequence through a RXD stream and a RXD output interface for sending a manipulated receive data (MRXD), stream including a second bit sequence. A processing logic of the CAN module is configured to manipulate the first bit sequence to generate a second bit sequence comprising a second stuff bit at a second position in the second bit sequence corresponding to a first position of a first stuff bit in the first bit sequence such that the second stuff bit is complementary to a preceding bit of the second stuff bit in the second bit sequence. The present disclosure also relates to a method for the CAN module.

