



US 20240214068A1

(19) **United States**

(12) **Patent Application Publication**
Smith et al.

(10) **Pub. No.: US 2024/0214068 A1**

(43) **Pub. Date: Jun. 27, 2024**

(54) **OPTICAL TRANSCEIVER TUNING USING MACHINE LEARNING**

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(21) Appl. No.: **18/595,085**

(22) Filed: **Mar. 4, 2024**

H04B 10/07 (2006.01)

H04B 10/077 (2006.01)

H04B 10/40 (2006.01)

H04B 10/564 (2006.01)

H04B 10/572 (2006.01)

H04B 10/58 (2006.01)

(52) **U.S. Cl.**

CPC **H04B 10/0795** (2013.01); **H04B 10/0771**

(2013.01); **H04B 10/0775** (2013.01); **H04B**

10/0777 (2013.01); **G06N 20/00** (2019.01);

H04B 10/07 (2013.01); **H04B 10/40** (2013.01);

H04B 10/564 (2013.01); **H04B 10/572**

(2013.01); **H04B 10/58** (2013.01)

Related U.S. Application Data

(62) Division of application No. 17/701,411, filed on Mar. 22, 2022, now Pat. No. 11,923,896.

(60) Provisional application No. 63/165,698, filed on Mar. 24, 2021.

Publication Classification

(51) **Int. Cl.**

H04B 10/079 (2006.01)

G06N 20/00 (2006.01)

(57)

ABSTRACT

A method of training a machine learning system to determine operating parameters for optical transceivers includes connecting the transceiver to a test and measurement device, tuning the transceiver with a set of parameters, capturing a waveform from the transceiver, sending the waveform and the set of parameters to a machine learning system, and repeating the tuning, capturing, and sending until a sufficient number of samples are gathered.

