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(57) Abstract :

ABSTRACT A COMPUTING DEVICE FOR DETECTING FAULTS IN AN OPTICAL FIBER AND A METHOD THEREOF A computing device (100) and a method detecting faults in an optical fiber are provided. The computing device (100) comprises an optical time domain reflectometry (OTDR) dataset (102) containing data about faults in the optical fiber, a memory unit (104) configured to store a deep learning model, a processing unit (106) configured to feed the data in the OTDR dataset (102) into the deep learning mode, training the deep learning model using the collected data, and identify and classify the one or more type of faults in the optical fiber by the trained deep learning model. [Figure 1]

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