

(19)



(11)

EP 3 711 196 B8

(12)

CORRECTED EUROPEAN PATENT SPECIFICATION

(15) Correction information:

Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 72

(51) International Patent Classification (IPC):

H04B 10/077 ^(2013.01) **H04B 10/2537** ^(2013.01)
H04B 10/291 ^(2013.01)

(48) Corrigendum issued on:

31.07.2024 Bulletin 2024/31

(52) Cooperative Patent Classification (CPC):

H04B 10/077; H04B 10/2537; H04B 10/2916

(45) Date of publication and mention of the grant of the patent:

28.02.2024 Bulletin 2024/09

(86) International application number:

PCT/GB2018/053270

(87) International publication number:

WO 2019/092448 (16.05.2019 Gazette 2019/20)

(21) Application number: **18804101.6**

(22) Date of filing: **13.11.2018**

(54) INTEGRATED SIGNAL LOSS DETECTION IN RAMAN AMPLIFIED FIBER SPANS OR OTHER FIBER SPANS

INTEGRIERTE SIGNALVERLUSTDETEKTION IN RAMAN-VERSTÄRKTEN FASERÜBERBRÜCKUNGEN ODER ANDEREN FASERÜBERBRÜCKUNGEN

DÉTECTION DE PERTE DE SIGNAL INTÉGRÉ DANS DES LONGUEURS DE FIBRE À AMPLIFICATION RAMAN OU D'AUTRES LONGUEURS DE FIBRE

(84) Designated Contracting States:

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

(72) Inventor: **PELOUCH, Wayne S.**

Allen
Texas 75013 (US)

(30) Priority: **13.11.2017 US 201715810387**

(74) Representative: **Barker Brettell LLP**

100 Hagley Road
Edgbaston
Birmingham B16 8QQ (GB)

(43) Date of publication of application:

23.09.2020 Bulletin 2020/39

(56) References cited:

EP-A1- 1 916 565 US-A1- 2004 047 628
US-A1- 2006 119 931 US-A1- 2010 260 212
US-A1- 2015 208 146

(73) Proprietor: **Neptune Subsea IP Limited**
London, Greater London W1S 1FS (GB)

EP 3 711 196 B8

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).