



New connection on: : 28-09-2018 : 23:11:44 - Last disconnection on: : 28-09-2018 : 23:11:02

V 4.0.0.44358(LP,U,linux) (Rev:43856 2017-04-27 09:03:29 +0200#(D201802)) (RPM D201802)

Welcome to EPOQUE Rebuild under the Production Environment

[EPODOC: SS 6] ..fiepodoc



Database: EPODOC

[EPODOC: SS 6] (buffer 2d tube+) and (fiber 2w optic)

Results in EPODOC 234

[SS 7] (buffer 2d tube+) and (fiber 2d optic)

Results in EPODOC 235

[SS 8] * and microstructure+

Results in EPODOC 5

[SS 9] ..li



1/5 © EPODOC / EPO

PN - [MX2016016572](#) A 20170323

PR - US201462013718P 20140618; WO2015US35754 20150615

AP - MX20160016572 20150615

DT - I

CCI - [G02B6/443](#)

CUI - [G02B6/441](#) ; [G02B6/4434](#) ; [G02B6/4486](#)

CQI - [C08L23/0815](#)

PA - CORNING OPTICAL COMMUNICATIONS LLC [US]

TI - LOOSE-TUBE **FIBER OPTIC** CABLES.

AB - According to one embodiment, loose-tube **fiber optic** cables may include a cable core and a jacket. The cable core may include a **buffer tube** and an optical fiber and the optical fiber may be positioned within the **buffer tube**. At least a portion of the **buffer tube** by include a first phase that includes a first polymer and a second phase that includes a second polymer, where the first polymer and the second polymer are

different chemical compositions. The first phase and second phase may be disposed in at least a partially co-continuous **microstructure**.

2/5 © EPODOC / EPO

- PN - [CN106537209](#) A 20170322
- PR - US201462013718P 20140618; WO2015US35754 20150615
- AP - CN20158038876 20150615
- DT - I
- CT - || STSE (A)
[CN1205018](#) A 19990113 [A] (GORE W L & ASS GMBH [DE])
[A] 1-20
* 全文 *;
[US6506492](#) B1 20030114 [A] (FOULGER STEPHEN H [US])
[A] 1-20
* 全文 *;
[EP1489447](#) A1 20041222 [Y] (CIT ALCATEL [FR])
[Y] 1-18
* 说明书第6-18段、附图1-2 *;
[CN1894613](#) A 20070110 [A] (PRESMANN CABLE AND SYSTEM ENER [IT])
[A] 1-20
* 全文 *;
[CN102762653](#) A 20121031 [Y] (DOW GLOBAL TECHNOLOGIES INC)
[Y] 1-18
* 说明书第1-9,34-36段 *
- CCI - [G02B6/443](#)
- CUI - [G02B6/441](#) ; [G02B6/4434](#) ; [G02B6/4486](#)
- CQI - [C08L23/0815](#)
- CNOI - [G02B6/443](#) ; [G02B6/4434](#)
- PA - CORNING OPTICAL COMM LLC
- TI - Loose-tube **fiber optic** cables
- AB - According to one embodiment, loose-tube **fiber optic** cables may include a cable core and a jacket. The cable core may include a **buffer tube** and an optical fiber and the optical fiber may be positioned within the **buffer tube**. At least a portion of the **buffer tube** by include a first phase that includes a first polymer and a second phase that includes a second polymer, where the first polymer and the second polymer are different chemical compositions. The first phase and second phase may be disposed in at least a partially co-continuous **microstructure**.

3/5 © EPODOC / EPO

- PN - [CA2952605](#) A1 20151223
- PR - US201462013718P 20140618; WO2015US35754 20150615
- AP - CA20152952605 20150615
- DT - I
- CCI - [G02B6/443](#)
- CUI - [G02B6/441](#) ; [G02B6/4434](#) ; [G02B6/4486](#)

CQI - [C08L23/0815](#)

PA - CORNING OPTICAL COMMUNICATIONS LLC [US]

TI - LOOSE-TUBE **FIBER OPTIC** CABLES

AB - According to one embodiment, loose-tube **fiber optic** cables may include a cable core and a jacket. The cable core may include a **buffer tube** and an optical fiber and the optical fiber may be positioned within the **buffer tube**. At least a portion of the **buffer tube** by include a first phase that includes a first polymer and a second phase that includes a second polymer, where the first polymer and the second polymer are different chemical compositions. The first phase and second phase may be disposed in at least a partially co-continuous **microstructure**.

4/5 © EPODOC / EPO

PN - [US2015370023](#) A1 20151224

PNFP - US9411114 B2 20160809

PR - US201514739363 20150615; US201462013718P 20140618

AP - US201514739363 20150615

DT - *; Rep

CT - || STSE (B2)
[US6041153](#) A 20000321 [] (YANG HOUCHING M [US]);
[US6411403](#) B1 20020625 [] (SIDDHAMALLI SRIDHAR K [US])

CCI - [G02B6/443](#)

CUI - [G02B6/441](#) ; [G02B6/4434](#) ; [G02B6/4486](#)

CQI - [C08L23/0815](#)

PA - (A1)
CORNING OPTICAL COMM LLC [US]
- (B2)
CORNING OPTICAL COMMUNICATIONS LLC [US]

TI - (A1)
LOOSE-TUBE **FIBER OPTIC** CABLES
- (B2)
Loose-tube **fiber optic** cables

AB - (A1 B2)
According to one embodiment, loose-tube **fiber optic** cables may include a cable core and a jacket. The cable core may include a **buffer tube** and an optical fiber and the optical fiber may be positioned within the **buffer tube**. At least a portion of the **buffer tube** by include a first phase that includes a first polymer and a second phase that includes a second polymer, where the first polymer and the second polymer are different chemical compositions. The first phase and second phase may be disposed in at least a partially co-continuous **microstructure**.

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PN - [WO2015195511](#) A2 20151223

PNFP - WO2015195511 A3 20160211

PR - US201462013718P 20140618

AP - WO2015US35754 20150615

DT - **

CT - |EP| ISR (A3)
[EP1489447](#) A1 20041222 [Y] (CIT ALCATEL [FR])
[Y] 1-20
* paragraphs [0006] - [0018]; figures 1, 2 *;
[US7373057](#) B2 20080513 [Y] (PIZZORNO MASSIMO [IT], et al)
[Y] 1-20
* the whole document *;
[WO2011079457](#) A1 20110707 [Y] (DOW GLOBAL TECHNOLOGIES INC [US], et al)
[Y] 1-20
* paragraphs [0002] - [0069] *;
[US6506492](#) B1 20030114 [Y] (FOULGER STEPHEN H [US])
[Y] 1-20
* column 3, line 15 - column 14, line 10; figures 1, 2 *;
[XP009157992](#) A[AD]

CTNP - |EP| ISR (A3)
[AD] - POTSCHKE P ET AL, "Formation of co-continuous structures in melt-mixed immiscible polymer blends", JOURNAL OF MACROMOLECULAR SCIENCE: PART C - POLYMER REVIEWS, TAYLOR & FRANCIS INC., PHILADELPHIA, PA, US, (20030201), vol. 43, ISSN 1532-1797, pages 87 - 141, XP009157992
[AD] 1-20
* the whole document *

CCI - [G02B6/443](#)

CUI - [G02B6/441](#) ; [G02B6/4434](#) ; [G02B6/4486](#)

CQI - [C08L23/0815](#)

PA - (A2 A3)
CORNING OPTICAL COMM LLC [US]

TI - (A2 A3)
LOOSE-TUBE **FIBER OPTIC** CABLES

AB - (A2 A3)
According to one embodiment, loose-tube **fiber optic** cables may include a cable core and a jacket. The cable core may include a **buffer tube** and an optical fiber and the optical fiber may be positioned within the **buffer tube**. At least a portion of the **buffer tube** by include a first phase that includes a first polymer and a second phase that includes a second polymer, where the first polymer and the second polymer are different chemical compositions. The first phase and second phase may be disposed in at least a partially co-continuous **microstructure**.