



US009411101B2

(12) **United States Patent**
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(10) **Patent No.:** **US 9,411,101 B2**
(45) **Date of Patent:** ***Aug. 9, 2016**

(54) **OPTICAL FIBER CONNECTOR, OPTICAL FIBER CONNECTOR ASSEMBLING METHOD, OPTICAL FIBER CONNECTOR ASSEMBLING TOOL, AND OPTICAL FIBER CONNECTOR ASSEMBLING SET**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) Appl. No.: **14/668,726**

(22) Filed: **Mar. 25, 2015**

(65) **Prior Publication Data**

US 2015/0198766 A1 Jul. 16, 2015

Related U.S. Application Data

(60) Continuation-in-part of application No. 14/108,646, filed on Dec. 17, 2013, now Pat. No. 9,091,825, which is a division of application No. 13/548,927, filed on Jul. 13, 2012, now Pat. No. 8,678,670, which is a continuation of application No. PCT/JP2011/050560, filed on Jan. 14, 2011.

(30) **Foreign Application Priority Data**

Jan. 14, 2010 (JP) 2010-006290
Jan. 14, 2010 (JP) 2010-006292
Jan. 14, 2010 (JP) 2010-006331

(51) **Int. Cl.**
G02B 6/36 (2006.01)
G02B 6/255 (2006.01)
G02B 6/38 (2006.01)

(52) **U.S. Cl.**
CPC **G02B 6/2558** (2013.01); **G02B 6/3846** (2013.01); **G02B 6/3849** (2013.01);
(Continued)

(58) **Field of Classification Search**
CPC G02B 6/2558; G02B 6/3846
See application file for complete search history.

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(57) **ABSTRACT**

An optical fiber connector of the present invention includes: a ferrule; an inserted optical fiber of which one end portion is fixed to the ferrule and of which the other end portion protrudes from the ferrule; an external optical fiber of which a front end portion is fusion-spliced to the other end portion of the inserted optical fiber; and one or more reinforcing members configured to reinforce the fusion-spliced portion of the other end portion of the inserted optical fiber and the front end portion of the external optical fiber, wherein the ferrule comprises a lens located on an extension line of the inserted optical fiber.

17 Claims, 51 Drawing Sheets

