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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.1 7(H))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.1 7(in))

[Continued on nextpage]

(54) Title: FIELD TERMINABLE OPTICAL CONNECTOR WITH SPLICE ELEMENT FOR JACKETED CABLE

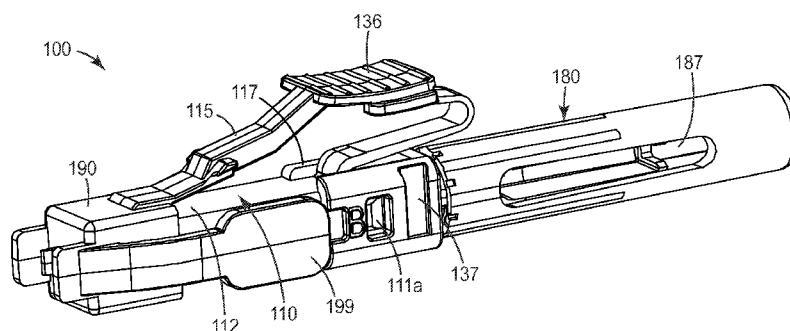


FIG. 1A

(57) Abstract: An LC format optical connector for terminating an optical fiber includes a housing including an outer shell with an LC format and a front face configured to mate with an LC receptacle, the housing including a resilient latch disposed on a surface of the outer shell and configured to engage the LC receptacle. A backbone is configured to engage an outer surface of the outer shell on a first portion thereof and includes a mounting structure disposed on a second portion thereof that is configured to engage a boot. A collar body is disposed in the housing and retained between the outer shell and the backbone. The collar body includes a fiber stub disposed in a first portion of the collar body, the fiber stub being mounted in a ferrule and having a first end proximate to an end face of the ferrule and a second end. A mechanical splice is disposed in a second portion of the collar body, the mechanical splice configured to splice the second end of the fiber stub to the optical fiber. The backbone also includes a fiber jacket clamping portion to clamp a jacket portion that surrounds a portion of the optical fiber upon actuation. The boot actuates the fiber jacket clamping portion of the backbone upon attachment to the backbone.



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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

G02B 6/38; G02B 6/36

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: LC connector, fiber stub, mechanical splice, cable, clamp

C. DOCUMENTS CONSIDERED TO BE RELEVANT

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Y A	US 2009-0010599 A1 (MARRS, SAMUEL M. et al.) 08 January 2009 See abstract, paragraphs [0055], [0066] and figure 3.	1, 3, 10-15, 19 2, 4-9, 16-18, 20-22
Y A	US 2011-0044588 A1 (LARSON, DONALD K. et al.) 24 February 2011 See abstract, paragraphs [0024], [0028], [0031], [0033], [0050], claims 5, 6 and figures 2, 7C.	1, 3, 10-15, 19 2, 4-9, 16-18, 20-22
A	US 2007-0098331 A1 (MUDD, RONALD L. et al.) 03 May 2007 See abstract, paragraph [0058] and figure 2.	1-22
A	US 2003-0086657 A1 (VIKLUND, MARK) 08 May 2003 See abstract, paragraphs [0043]-[0044], [0048] and figure 1.	1-22



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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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