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(54) Title: SYSTEM AND METHOD FOR PROTECTION OF POINT TO MULTIPOINT PASSIVE OPTICAL NETWORK

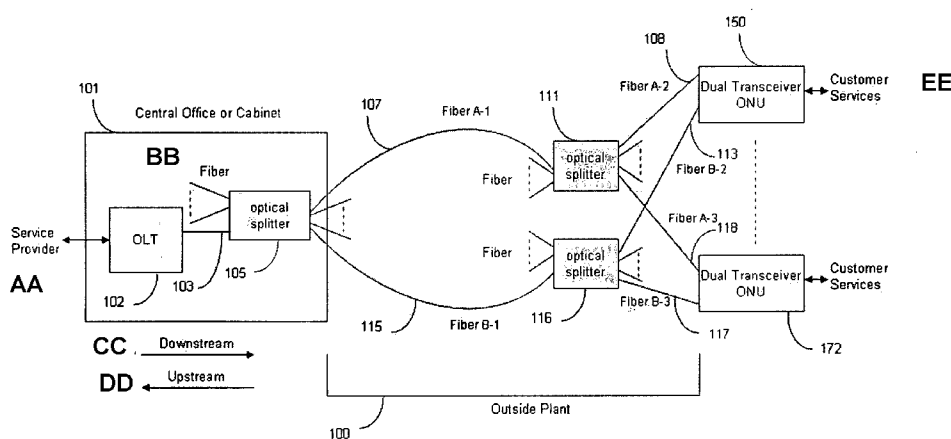


FIG. 4


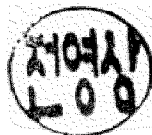
(57) Abstract: A system and method relating to a point-to-multipoint Passive Optical Network (PON) that protects the system against fiber breaks or damage which can disrupt the path between the OLT and a plurality of Dual Transceiver ONUs.

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INTERNATIONAL SEARCH REPORT

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| A. CLASSIFICATION OF SUBJECT MATTER | | |
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| <i>H04L 12/28(2006.01)i</i> | | |
| 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) IPC8: G06F, H04B, H04L | | |
| 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 since 1975 Japanese Utility models and applications for Utility models since 1975 | | |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EKIPASS (KIPO internal), IEEE xplora | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| Y | P'NG, W. T.; KHATUN, S.; SHAARI, S.; ABDULLAH, M. K., 'A novel protection scheme for Ethernet PON FTTH access network', Networks, 2005. Jointly held with the 2005 IEEE 7th Malaysia International Conference on Communication, 2005 13th IEEE International Conference on, Volume 1, 16-18 November 2005, Pages: 487-490 See the abstract and sections I, II. | 1-9 |
| Y | JP 2001-326654 A (NEC Corp.) 22 November 2001 See abstract, paragraphs [0005]-[0031], and figs.1, 2, 4. | 1- 9 |
| PA | KR 10-0833504 B1 (Electronics Telecommunications Research Institute) 29 May 2008 See the abstract and figs. 1-8. | 1-9 |
| <input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex. | | |
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| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
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| JP 2001-326654 A | 22.11.2001 | NONE | |
| KR 10-0833504 B1 | 29.05.2008 | US 2008-0131124 A1 | 05.06.2008 |