

Search query (5): [SP]: 1. a fiber optic multiport, comprising: an enclosure defining an interior first chamber defined by the interior, wherein the first chamber has an optical splitter with a plurality of splitter legs extended therefrom and optically connected to a plurality of optical fibers located therein, and wherein a potting material is disposed in the first chamber to physically secure the optical splitter, the plurality of splitter legs and the plurality of optical fibers in the first chamber a second chamber defined by the interior adjacent the first chamber a wall separating the first chamber from the second chamber, wherein the wall has a first face and a second face, and wherein the wall has a plurality of slots extended therethrough from the first face to the second face, and wherein the plurality of optical fibers route through the plurality of slots between the first chamber and the second chamber and a blocking material positioned adjacent to the wall to retain the potting material in the first chamber. 2. the fiber optic multiport of claim 1, further comprising a plurality of fiber organizers positioned in the second chamber, and wherein each of the plurality of fiber organizers comprises a first end and a second end, and wherein the plurality of fiber organizers press against the blocking material. 3. the fiber optic multiport of claim 2, wherein at least one of the plurality of fiber organizers receives at the first end at least one of the plurality of optical fibers extended between the first chamber and the second chamber, and receives at the second end a fiber optic cable protecting the at least one of the plurality of optical fibers. 4. the fiber optic multiport of claim 3, wherein at least one of the plurality of fiber organizers comprises a first segment and a second segment defining an interior space configuration. 5. the fiber optic multiport of claim 4, wherein the interior space configuration comprises a fiber optic cable seating area and an optical fiber pass-through. 6. the fiber optic multiport of claim 5, wherein the fiber optic cable seating area comprises a first fiber optic cable seating area, and wherein the optical fiber pass-through comprises a first optical fiber pass-through. 7. the fiber optic multiport of claim 5, wherein the fiber optic cable seating area comprises a first fiber optic cable seating area and a second fiber optic cable seating area, and wherein the optical fiber pass-through comprises a first optical fiber pass-through and a second optical fiber pass-through. 8. the fiber optic multiport of claim 5, wherein the fiber optic cable seating area is in the fiber optic cable seating area, and wherein a jacket of the fiber optic cable is terminated, and wherein strength members are exposed in the at least one of the plurality of fiber organizers. 9. the fiber optic multiport of claim 8, wherein the potting material disposed in the at least one of the plurality of fiber organizers secures the jacket and the strength members, and wherein the fiber optic cable is restrained and the at least one of the plurality of optical fibers is prevented from pistoning into and out of the jacket. 10. the fiber optic multiport of claim 4, wherein the interior space configuration comprises a blocked fiber optic seating area and a blocked optical fiber pass-through. 11. the fiber optic multiport of claim 2, wherein the second chamber comprises a plurality of placement partitions, and wherein each of the plurality of fiber organizers is installed in one of the plurality of placement partitions. 12. the fiber optic multiport of claim 1, wherein the blocking material comprises a foam pad comprising a compressible material, and wherein the plurality of optical fibers are routed through the foam pad between the first chamber and the second chamber. 13. the fiber optic multiport of claim 12, wherein the foam pad comprises a plurality of slits with at least one slit of the plurality of slits aligned with at least one slot of the plurality of slots of the wall, and wherein an optical fiber passage between the first chamber and the second chamber is formed thereby and wherein one of the plurality of optical fibers routes between the first chamber and the second chamber through the optical fiber passage. 14. the fiber optic multiport of claim 12, wherein the foam pad is constructed of thermoplastic or thermoset rubber material. 15. the fiber optic multiport of claim 12, wherein the foam pad comprises a silicone-based foam. 16. the fiber optic multiport of claim 12, wherein the foam pad has a hardness range of about shore 00 20 to shore a 30, with a preferred hardness of about shore 00 45, and be one of closed cell and open cell structure, and be able to withstand temperatures of at least 100 degrees centigrade. 17. the fiber optic multiport of claim 12, wherein the foam pad is secured to one of the first face and the second face of the wall. 18. the fiber optic multiport of claim 12, wherein the foam pad is constructed of a microcellular urethane foam with an adhesive backing. 19. the fiber optic multiport of claim 18, wherein the foam pad is secured by the adhesive backing to the wall. 20. a fiber optic multiport, comprising: an enclosure having a base and a cover, and defining an interior first chamber in the interior, wherein the first chamber has an optical splitter with a plurality of splitter legs extended therefrom and optically connected to a plurality of optical fibers located therein, and wherein a potting material is disposed in the first chamber to physically secure the optical splitter, the plurality of splitter legs and the plurality of optical fibers in the first chamber a second chamber in the interior adjacent the first chamber a wall separating the first chamber from the second chamber, wherein the wall has a first face and a second face, and wherein the wall has a plurality of slots extended therethrough from the first face to the second face a foam pad comprising a compressible material attached to the wall, wherein the foam pad has a plurality of slits with at least one slit of the plurality of slits aligned with at least one slot of the plurality of slots of the wall, and wherein an optical fiber passage between the first chamber and the second chamber is formed thereby a plurality of fiber organizers positioned in the second chamber and comprising a first end and a second end, wherein at least one of the plurality of fiber organizers receives at the first end at least one of the plurality of optical fibers extended between the first chamber and the second chamber through the optical fiber passage, and receives at the second end a fiber optic cable comprising the at least one of the plurality of optical fibers received at the first end and wherein the plurality of fiber organizers presses against the foam pad for sealing the optical fiber passage in the wall and inhibiting ingress of the potting material into the second chamber. 21. the fiber optic multiport of claim 20, wherein at least one of the plurality of fiber organizers comprises a first segment and a second segment. 22. the fiber optic multiport of claim 21, wherein the first segment and the second segment have complementary attachment structures, and wherein the first segment attaches to the second segment by complementary attachment structures to define an interior space configuration. 23. the fiber optic multiport of claim 22, wherein the first segment comprises one of a first design type and a second design type, and wherein the second segment comprises one of a first design type and a second design type. 24. the fiber optic multiport of claim 23, wherein the first design type defines one half of the interior space configuration comprising a first fiber optic cable seating area and a second fiber optic cable seating area, and a first optical fiber pass-through and a second optical fiber pass-through. 25. the fiber optic multiport of claim 23, wherein the second design type defines one half of the interior space configuration comprising a first fiber optic cable seating area and a blocked second fiber optic cable seating area, and a first optical fiber pass-through and a blocked second optical fiber pass-through. 26. the fiber optic multiport of claim 25, wherein the first segment comprises the first design type and the second segment comprises the first design type, and wherein the defined interior space configuration comprises a first interior space configuration comprising a first fiber optic cable seating area and a second fiber optic cable seating area, and a first optical fiber pass-through and a second optical fiber pass-through. 27. the fiber optic multiport of claim 25, wherein the first segment comprises the first design type, and wherein the second segment comprises the second design type, and wherein the defined interior space configuration comprises a second interior space configuration comprising a first fiber optic cable seating area and a blocked second fiber optic cable seating area, and a first optical fiber pass-through and a blocked second optical fiber pass-through.

Results: 2

1) Family number: 68580410 (US2018045905 AA)

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Title: DEVICE AND METHOD FOR SEALING MULTIPOINT SPLITTERS
Priority: US20160235623 20160812 WO2017US46230 20170810 EP20170754959 20170810
Family:

Publication number	Publication date	Application number	Application date
AU2017311399 AA	20190221	AU20170311399	20170810
BR112019002535 A2	20190521	BR20191102535	20170810
CA3034708 AA	20190208	CA20173034708	20170810
CO20190002220 A2	20190318	CO20190002220	20190311
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EP3497497 A1	20190619	EP20170754959	20170810
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US2018045905 AA	20180215	US20160235623	20160812
WO18031732 A1	20180215	WO2017US46230	20170810

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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

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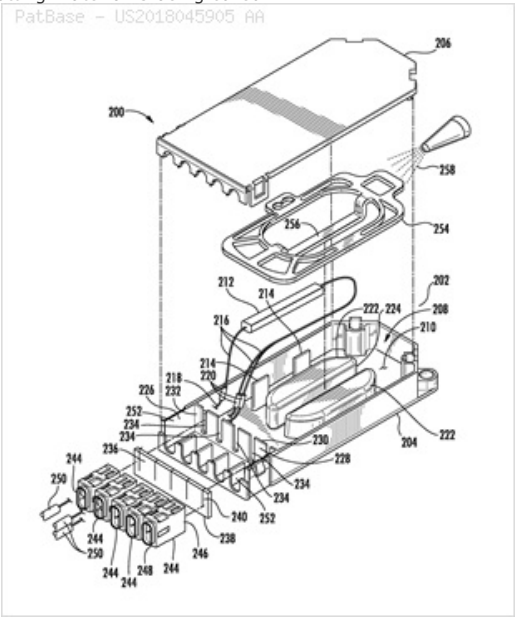
CPC: G02B6/3889 G02B6/3897 G02B6/4444 G02B6/4447 G02B6/4472 G02B6/4477

US class: 1/1 385/86

[Classification Explorer](#)

Cited documents: US201562199545 P, US2007003204 AA, US2013243386 AA, US9529173 BB, US5420957 A, US2006269208 AA, US5280556 A, US2014016634 AA, US2014166342 AA, WO14123940 A1,

Abstract:
A sealed multiport splitter device and method are disclosed. The fiber optic multiport comprises housing with an interior defining a first chamber and an adjacent second chamber. An optical splitter with a plurality of splitter legs connect to a plurality of optical fibers located in the first chamber. Potting material is disposed in the first chamber to physically secure the optical splitter, the splitter legs and the optical fibers. A wall having a first face and a second face separates the first chamber from the second chamber. The wall has a plurality of slots extended from the first face to the second face. The plurality of optical fibers route through the plurality of slots between the first chamber and the second chamber. A blocking material is adjacent to the wall to inhibit ingress of the potting material into the second chamber while the potting material is being cured.



2) Family number: 80908880 (US2020284980 AA) © PatBase

Title: OPTICAL SPLITTER CHIP, OPTICAL SPLITTER COMPONENT, OPTICAL SPLITTER APPARATUS, AND OPTICAL FIBER BOX

Priority: WO2019CN076901 20190304 US20200808712 20200304

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EP3736613 A1	20201111	EP20190856429	20190304
EP3736613 A4	20201118	EP20190856429	20190304
IN202037010305 A	20201002	IN202037010305	20200311
US2020284980 AA	20200910	US20200808712	20200304
WO20177064 A1	20200910	WO2019CN076901	20190304

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[Classification Explorer](#)

Cited documents: WO16172886 A1, CN105591709 A, CN104735554 A, CN104714276 A, US2018045905 AA, US2005041925 AA, US2012237161 AA, US6236784 BA,

Abstract:
One example optical splitter chip includes a substrate, where the substrate is configured with an input port, configured to receive

first signal light, an uneven optical splitting unit, configured to split the first signal light into at least second signal light and third signal light, where optical power of the second signal light is different from optical power of the third signal light, a first output port, configured to output the second signal light, an even optical splitting unit group, including at least one even optical splitting unit, configured to split the third signal light into at least two channels of equal signal light, where optical power of the at least two channels of equal signal light is the same, and at least two second output ports, which are in a one-to-one correspondence with the at least two channels of equal signal light.

