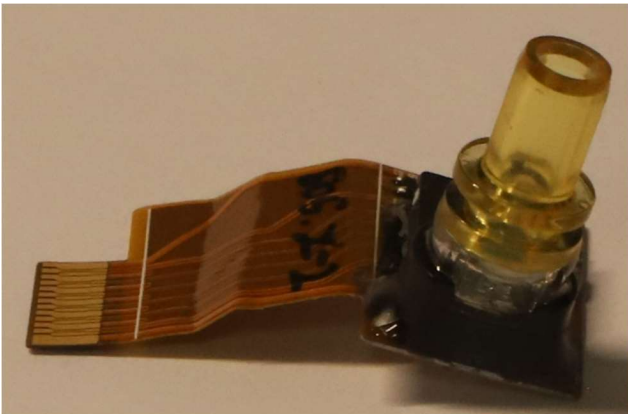


Exhibit B

EXHIBIT B:
Exemplary Claim Chart for US Patent No. 7,198,416

US Patent No. 7,198,416	Opticis Infringement Evidence ¹
1. An optical combiner usable in data communication systems for multiplexing the outputs of a plurality of n lasers wherein each of said n outputs has a different output wavelength, for transmission into and through a stopped single optical fiber, comprising:	The Opticis optical sub-assemblies (OSAs) are optical combiners usable in data communication systems for multiplexing the outputs of a plurality of n lasers wherein each of said n outputs has a different output wavelength, for transmission into and through a stopped single optical fiber. The image below shows an intact 6-channel Opticis OSA, which is representative of all accused Opticis OSAs.  Optical combiner

¹ Three Opticis sub-assemblies (OSAs) are shown. The intact OSA shown first is a 6-channel device bearing a handwritten marking “805.X-2”. The second OSA, shown disassembled, is a 6-channel device, bearing a label marked “SV0182 CL71FK 104-0267” and further marked “6CH 1 fiber TOSA Rev03 2019.6.10.” The third OSA, also shown disassembled, is a 4-channel device, bearing a label marked “C011-707-0185”, and further marked “4CH_5004|C_Tx_R_R36 2016.03.10.”

EXHIBIT B:
Exemplary Claim Chart for US Patent No. 7,198,416

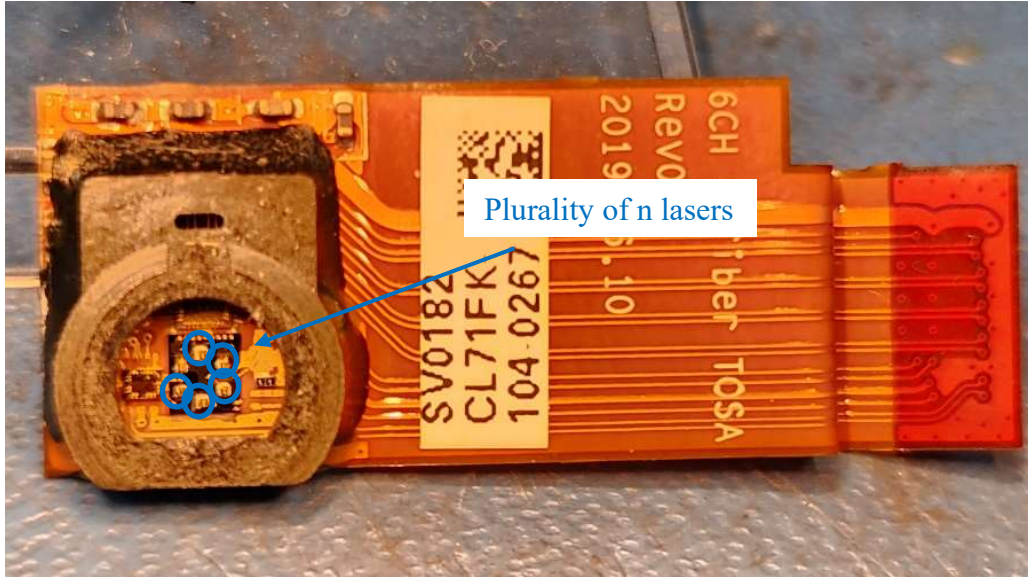
US Patent No. 7,198,416	Opticis Infringement Evidence ¹
	The image below shows a portion of a partly disassembled 4-channel Opticis OSA, indicating a plurality of n (in this instance, 5) lasers. 

EXHIBIT B:
Exemplary Claim Chart for US Patent No. 7,198,416

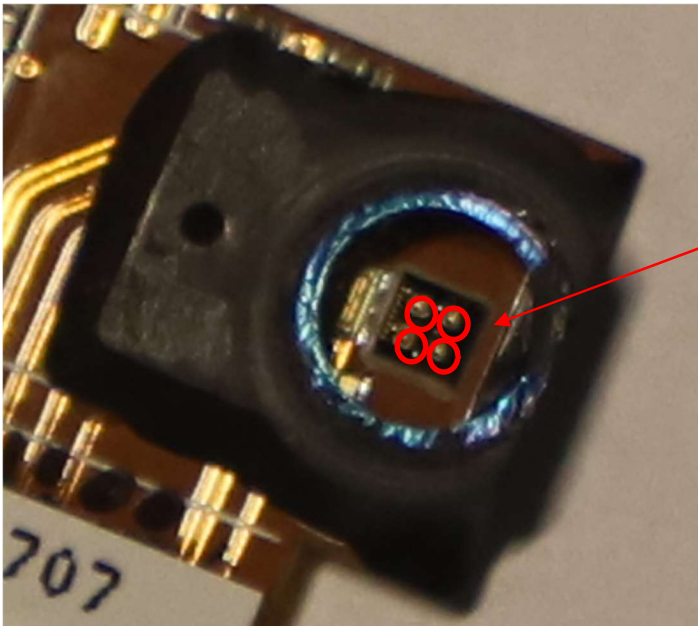
US Patent No. 7,198,416	Opticis Infringement Evidence ¹
	The image below shows a portion of a partly disassembled 4-channel Opticis OSA, indicating a plurality of n (in this instance, 4) lasers.  Plurality of n lasers Each of the laser outputs has a different output wavelength, for transmission into and through a stopped single optical fiber. <i>See, for example</i>, DVFX-100 User Manual (“The DVFX-100-TR optical DVI module transmits four (4) optical data, Red, Green, Blue and clock ... over one (1) SC multi-mode fiber”); DVFX-100 Data Sheet (“The module has a capability to transmit 2K resolution graphic signals ... using leading-edge OPTICIS fiber optic component that transmits four (4) data channels over one multi-mode fiber.”); DPFx-300-TR User Manual (“This laser product is inside implemented by using 850, 925, 930, 990 nm LD Transceivers”).

EXHIBIT B:
Exemplary Claim Chart for US Patent No. 7,198,416

US Patent No. 7,198,416	Opticis Infringement Evidence ¹
[a] a plurality of n collimating lenses, said lenses being spaced apart and positioned to receive and collimate the output of said n laser output beams, said n laser output beams have n different output wavelengths, and	Each of the Opticis OSAs includes a plurality of n collimating lenses. Said collimating lenses are spaced apart and positioned to receive and collimate the output of the n laser output beams, with each of the n laser output beams having a different output wavelength. The images below show portions of partly disassembled 4-channel and 6-channel Opticis OSAs, indicating a plurality (4 and 5, respectively) collimating lenses. These collimating lenses are spaced apart and are positioned to receive and collimate the output of the corresponding laser outputs, each of which has a different wavelength.

EXHIBIT B:
Exemplary Claim Chart for US Patent No. 7,198,416

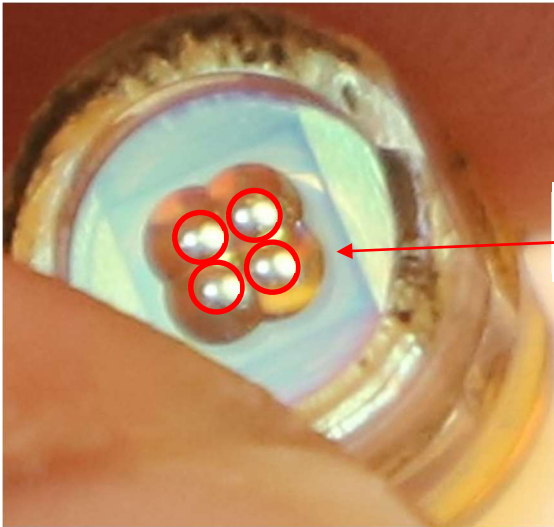
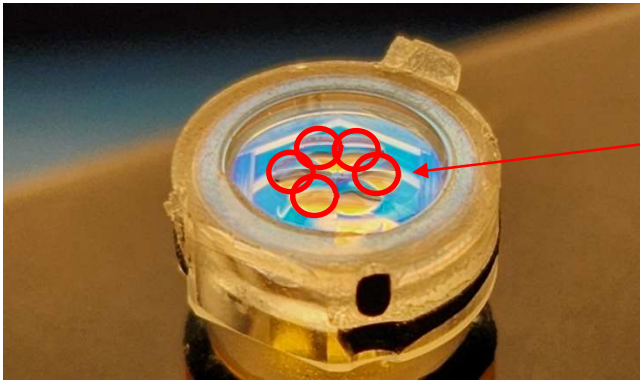
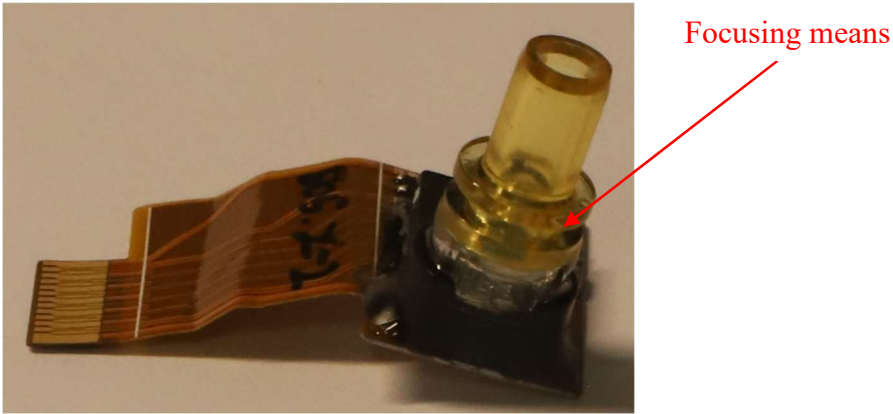
US Patent No. 7,198,416	Opticis Infringement Evidence ¹
	 Plurality of n collimating lenses spaced apart  Plurality of n collimating lenses spaced apart Each of the laser outputs has a different output wavelength. <i>See, for example</i>, DVFX-100 User Manual (“The DVFX-100-TR optical DVI module transmits four (4) optical data, Red, Green, Blue and clock ... over one (1) SC multi-mode fiber”); DVFX-100 Data Sheet (“The module has a capability to transmit 2K resolution graphic signals ...

EXHIBIT B:
Exemplary Claim Chart for US Patent No. 7,198,416

US Patent No. 7,198,416	Opticis Infringement Evidence ¹
	using leading-edge OPTICIS fiber optic component that transmits four (4) data channels over one multi-mode fiber.”) ; DPFX-300-TR User Manual (“This laser product is inside implemented by using 850, 925, 930, 990 nm LD Transceivers”).
[b] focusing means for focusing said n collimated output beams onto a single spot at said stopped single optical fiber, said focusing means having n separate radial sectors on its surface, and each of said n collimated beams passes through a separate one of said n sectors of said focusing means whereby said n output beams having n different wavelengths are coupled into said single fiber.	Each of the Opticis OSAs includes a focusing means² for focusing said n collimated output beams onto a single spot at said stopped single optical fiber, said focusing means having n separate radial sectors on its surface, and each of said n collimated beams passes through a separate one of said n sectors of said focusing means whereby said n output beams having n different wavelengths are coupled into said single fiber. The images below illustrate the location of the focusing means in a 6-channel Opticis OSA. 

² To the extent “focusing means for focusing ...” is construed to be a means-plus-function limitation under 35 U.S.C. § 112(f), the corresponding structure in the specification includes at least the following structures and equivalents thereto: Figs 1-4 and corresponding text (focusing lens 30), Figs 5-6 and corresponding text (focusing lens 130), Figs. 7-9 and corresponding text (focusing lens 250), and/or Figs 10-11 and corresponding text (focusing lens 350).

EXHIBIT B:
Exemplary Claim Chart for US Patent No. 7,198,416

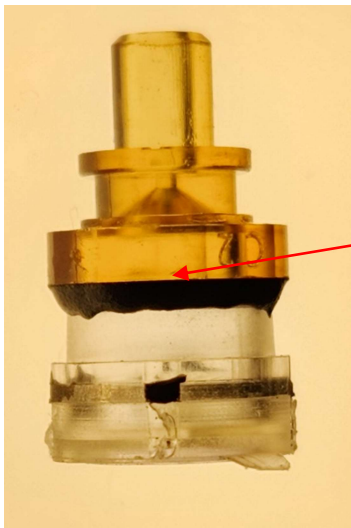
US Patent No. 7,198,416	Opticis Infringement Evidence ¹
	 Focusing means The images below provide further illustrations of the elements of the focusing means, showing said focusing means having n separate radial sectors on its surface, and each of said n collimated beams passes through a separate one of said n sectors of said focusing means whereby said n output beams having n different wavelengths are coupled into said single fiber:

EXHIBIT B:
Exemplary Claim Chart for US Patent No. 7,198,416

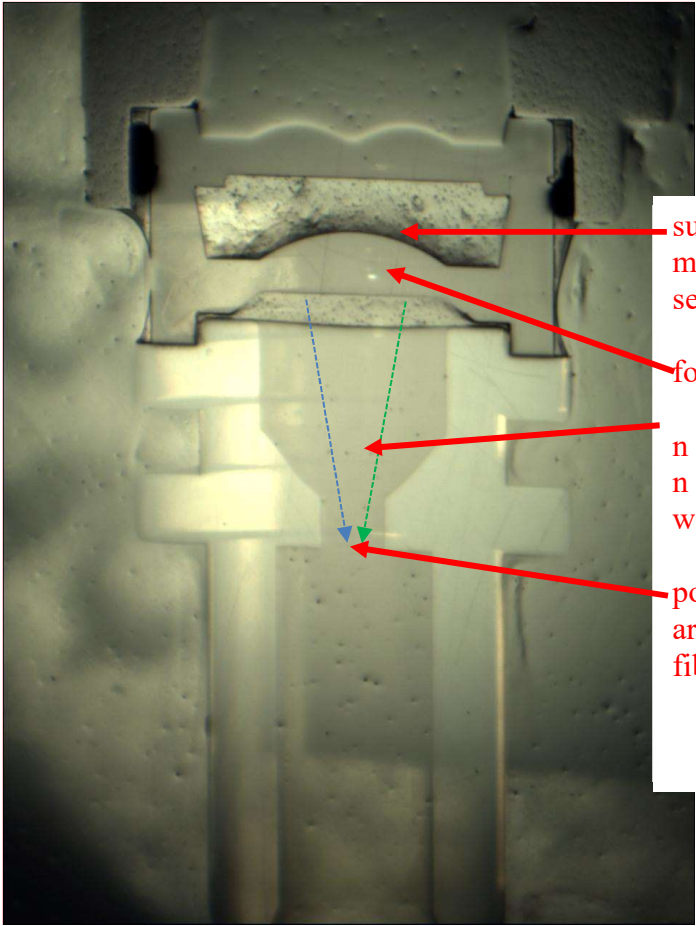
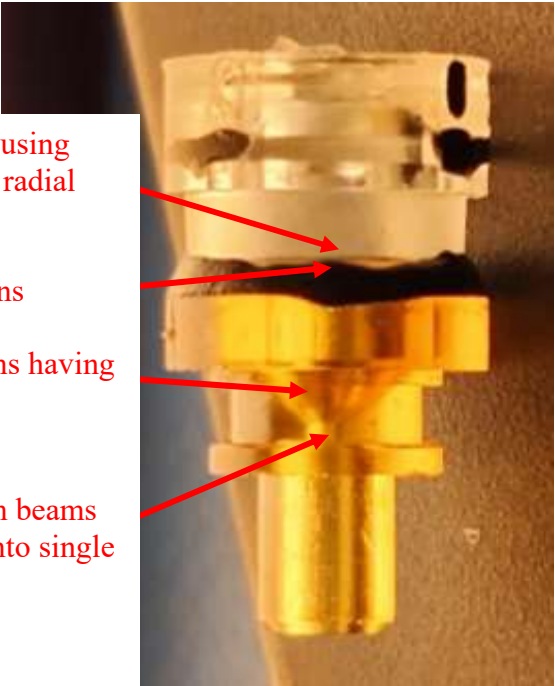
US Patent No. 7,198,416	Opticis Infringement Evidence ¹
	 surface of focusing means with n radial sectors focusing means n output beams having n different wavelengths point at which beams are coupled into single fiber

EXHIBIT B:
Exemplary Claim Chart for US Patent No. 7,198,416

US Patent No. 7,198,416	Opticis Infringement Evidence ¹
	 surface of focusing means with n radial sectors focusing means n output beams having n different wavelengths point at which beams are coupled into single fiber Each of the laser outputs has a different output wavelength, for transmission into and through a stopped single optical fiber. <i>See, for example</i>, DVFX-100 User Manual (“The DVFX-100-TR optical DVI module transmits four (4) optical data, Red, Green, Blue and clock ... over one (1) SC multi-mode fiber”); DVFX-100 Data Sheet (“The module has a capability to transmit 2K resolution graphic signals ... using leading-edge OPTICIS fiber optic component that transmits four (4) data channels over one multi-mode fiber.”) ; DPFX-300-TR User Manual (“This laser product is inside implemented by using 850, 925, 930, 990 nm LD Transceivers”).