Exhibit 2034: Infringement Claim Charts for U.S. Patent Nos. 8,969,841 and 9

Infringement Claim Chart U.S. Patent No. 8,969,841 – ASML YieldStar-Qioptiq Laser-Dr		
Claim	**Claim Element**	**Comments**
1.	A laser driven light source comprising:	Representative infringing products from Petitioners inclu YieldStar system and other products that incorporate sub containing a laser-driven light source or Qioptiq's laser- ("Qioptiq LS1"). On information and belief, ASML's Y and YieldStar T-250D ("YieldStar 250") include a laser- source.  YieldStar S-250D The YieldStar 250 is a tool used in the semiconductor w process. On information and belief, YieldStar 250 syste Qioptiq laser-driven light sources to enable "very precis overlay and focus measurements per field needed to calc corrections to be applied on the scanners." (*See* YieldSt Brochure (Jan. 20, 2014) (Ex. 2052); YieldStar S-250D (Jan. 20, 2014) (Ex. 2053).)

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		On information and belief, RnD-ISAN developed a laser source for Qioptiq that was eventually incorporated into use in the ASML YieldStar system. (RnD-ISAN LLC, ' Plasma Broadband Light Source" at 6 ("RnD-ISAN") (E ASML's Customer Magazine, 2014 at 18 (Ex. 2005) ("[T lamp used in the YieldStar 200C has been replaced with delivers substantially more light and improved illuminat characteristics.").)  (RnD-ISAN at 6 (Ex. 2039) (incorporation of light sour and YieldStar system).) The Qioptiq LS1 is a laser-driven light source. (RnD-IS (Ex. 2039) ("Laser Pumped Plasma Broadband Light So

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		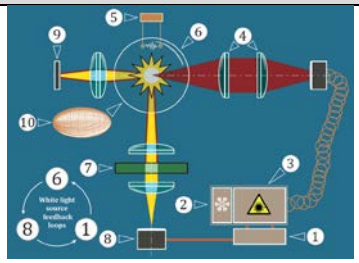 (RnD-ISAN at 2 (Ex. 2039) ("Schematic of a laser p broadband light source").)
	a sealed pressurized chamber having a gas at a pressure greater than 10 atmospheres during operation;	The Qioptiq LS1 includes a sealed chamber containing g pressurized to greater than 10 atmospheres during operat at 2 (Ex. 2039), element #6 ("Xe high pressure lamp"); 1 medium is Xenon at high (~20 atm) pressure.").)
	an ignition source for ionizing the gas within the chamber; and	The Qioptiq LS1 includes an RF ignition source for ioni the chamber. (RnD-ISAN at 2 (Ex. 2039), element #5 (" unit").)
	an at least substantially continuous laser for providing energy within a wavelength range from about 700 nm to 2000 nm to the ionized gas to sustain a plasma within the chamber to produce a	The Qioptiq LS1 includes a continuous wave laser that p substantially continuous energy at 980 nm, within the ra nm, to sustain a plasma within the chamber. (RnD-ISAN element #3 ("Diode laser with optical fiber output (980n ("Continuous wave laser beam is focused onto initial gas volume sufficient to maintain plasma state.").) The sustained plasma produces plasma-generated light h

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	plasma-generated light having wavelengths greater than 50 nm,	greater than 50 nm. (RnD-ISAN at 3 (Ex. 2039) ("Laser broadband light source XWS emits light in 200-800nm r spectral brightness.").)
	the chamber further comprising a region of material that is transparent to at least a portion of the plasma-generated light and that allows said portion of the plasma-generated light to exit the chamber.	The chamber of the Qioptiq LS1 includes a region of ma transparent to a portion of the plasma-generated light an plasma-generated light to exit the chamber. (RnD-ISAN element #6 ("Xe high-pressure lamp," depicting light em lamp); 4 (depicting light emitted from the lamp).)
2.	The laser driven light source of claim 1, comprising	As discussed in detail above, representative infringing p Petitioners meet all of the limitations of claim 1.
	at least one optical element for modifying a property of the laser energy provided to the ionized gas.	The Qioptiq LS1 includes a laser light filter optical elem property of the laser energy provided to the ionized gas. also includes focusing optics that modify a property of t provided to the ionized gas. (RnD-ISAN at 2 (Ex. 2039) ("Laser light filter"); element #4 ("Focusing optics" also of laser).)
3.	The laser driven light source of claim 2 wherein	As discussed in detail above, representative infringing p Petitioners meet all of the limitations of claim 2.
	the optical element is a lens or mirror focusing the laser energy into a region	The Qioptiq LS1 includes focusing optics that focus the region of the ionized gas. (RnD-ISAN at 2 (Ex. 2039), e ("Focusing optics," also depicted in path of laser); 1 ("C

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	of the ionized gas.	laser beam is focused onto initial gas breakdown volume maintain plasma state.").)
7.	The laser driven light source of claim 1 wherein	As discussed in detail above, representative infringing p Petitioners meet all of the limitations of claim 1.
	the ignition source is selected from the group consisting of electrodes, an ultraviolet ignition source, a capacitive ignition source, an inductive ignition source, a flash lamp, a pulsed laser, and a pulsed lamp.	The Qioptiq LS1 includes an RF ignition source for ioni the chamber. (RnD-ISAN at 2 (Ex. 2039), element #5 (" unit").)

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