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Sent: Wednesday, July 31, 2019 12:01 PM

To: Angelo Lopresti <Alopresti@ipgphotonics.com>

Cc: christian.greger@trumpf.com

Subject: IPG Adjustable Mode Beam Lasers

Dear Angelo,

It has been a long time. I hope everything is well.

Unfortunately, I have a rather unpleasant topic to address. We have reason to believe that IPG is using TRUMPF proprietary technology in the IPG Adjustable Mode Beam Lasers.

On April 8, 2011, TRUMPF submitted a patent application which relates to a process and an apparatus for the generation of a laser beam with different beam profile characteristics. Multiple patents have been granted in the USA based on that application, including U.S. Patent Nos. 8,781,269 and 10,281,656. In addition, on January 27, 2014, our affiliate SPI Lasers submitted a patent application relating to an optical combiner, which application issued as U.S. Patent No. 9,620,925.

These patents are outside of our December 4, 2014 agreement because they neither include a claim directed to a solid state laser source nor do they solely claim methods of uses of laser sources for a particular benefit.

Based on statements made in an IPG Datasheet (YLS-AMB Series) and information disclosed at the Photonics West trade show in February 2019 as well as statements disclosed at the Munich trade show in June 2019, we have reason to believe that the IPG Adjustable Mode Beam Lasers are using at least claim 1 of US 8,781,269, claim 1 of US 10,281,656, and claim 20 of US 9,620,925. Exemplary support for our good faith belief is presented in the attached claim charts.

Please let us know whether the IPG Adjustable Mode Beam Lasers use the technology described in the above-mentioned disclosures, indeed, and if so, please state the reason why IPG believes to have the right to offer such a product.

We would like to solve this matter in an amicable manner and would appreciate to hear back from you in order to determine on how to proceed. A response by August 16, 2019 would be appreciated.

Best regards

ppa. Peter Bokelmann
General Counsel

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