

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Harry Atwater	12/01/2011
RECEIVING PARTY DATA	
Name:	California Institute of Technology
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12611435
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ATTORNEY DOCKET NUMBER:	MIT.12226CON
NAME OF SUBMITTER:	Matthew E. Connors
Total Attachments: 2 source=Assignment_Harry_Caltech_Signed#page1.tif source=Assignment_Harry_Caltech_Signed#page2.tif	

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ASSIGNMENT

Know all men by these presents

THAT WHEREAS I, Harry Atwater

of 1945 Leman Street, South Pasadena, California, have made an invention for

EXTRINSIC GAIN LASER AND OPTICAL AMPLIFICATION DEVICE

described in the application 12/611,435 filed on November 3, 2009, which is a continuation of U.S. Utility Application Serial No. 11/750,596, filed on May 18, 2007, which claims priority under 35 USC §119(e) from United States Provisional Patent Application Serial No. 60/801,444, filed May 18, 2006; and

WHEREAS California Institute of Technology, a non-profit organization duly organized and existing under the laws of California, and having its principal place of business at 1200 E. California Blvd., Pasadena, California 91125, USA, for the benefit of itself, its successors and assigns, all inclusively hereinafter referred to as the Assignee, is desirous of acquiring the entire right, title and interest in and to the said invention, the said application, all inventions disclosed in said application, and any and all Letters Patent of the United States and of all other countries which may be granted for the said invention or inventions, or any of them;

NOW, THEREFORE, for good and valuable consideration provided by said Assignee, the receipt whereof is hereby acknowledged, I do hereby sell, assign and transfer to the said Assignee the entire right, title and interest in and to the said invention, inventions and application, including all priority rights arising therefrom, all inventions disclosed in said application, and any and all Letters Patent of the United States, and of all other countries, together with the right to apply for such Letters Patent, which may be granted for the said invention, inventions or any of them.

TO HAVE, HOLD AND ENJOY the said invention, the said application, and the said Letters Patent, to said

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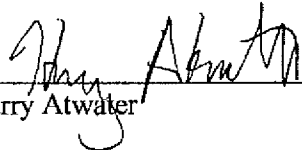
its successors and assigns, to its and their own use and behoof to the full end of the term or terms for which the said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me had this assignment and sale not been made.

AND I hereby authorize and request the Commissioner of Patents of the United States and the appropriate officers of all foreign patent offices to issue any and all Letters Patent which may be granted on the said application or applications above referred to, or for the said invention, or any of them, to the said Assignee in accordance with the terms of this instrument.

AND I hereby agree to execute and sign without further consideration any other legal document and any other assignments and any divisional, continuing, renewal, reissue or other application in and for all patents that may be appropriate and may be deemed necessary by the Assignee fully to secure to said Assignee its interests as aforesaid in and to the said invention or any part thereof and in and to the said patents or any of them.

AND I further covenant and agree that I will at any time upon request communicate to the said Assignee, its successors, assigns or other legal representatives, any facts known to me relating to the said invention and any patent that may be granted thereon, and will testify as to the same in any interference or litigation when requested to do so.

AND I do hereby covenant for myself and my legal representatives that I have not hitherto assigned or granted any license to make, use or sell said invention, and that I will not henceforth purport to assign, license or execute any instrument to that effect in conflict with this assignment.



Harry Atwater
12/1/11

Date