



LIGHTWAVE LOGIC™

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Lightwave Logic Receives Notice of Allowance in Patent Application for Perkinamine Chromophores, Protecting Revolutionary Electro-optical Polymer Foundation Technology

NEWARK, Del., Nov. 29, 2010 /PRNewswire/ -- Lightwave Logic, Inc. (OTC Bulletin Board: [LWLG.ob](#) - [News](#)), a technology company focused on the development of the 'Next Generation Electro-Optic Polymer Material Platform' for applications in high speed fiber-optic data communications and optical computing, announced that it has received a Notice of Allowance in U.S. Patent Application No. 11/666,320 for Heterocyclical Chromophore Architectures, which is directed to various Perkinamine™ chromophores, the company's base chromophore architecture -- the foundation of its unique electro-optic materials platform.

A chromophore is an advanced type of dye that imparts electro-optical properties to a polymer. Perkinamine™ chromophores are a highly potent class of compounds which impart unparalleled thermal and optical stability to a resulting polymer matrix.

Jim Marcelli, Chief Executive Officer of Lightwave Logic said, "We are very pleased that after thorough prosecution at the USPTO we have received this Notice of Allowance for all seven pending claims. Protection of our Intellectual Property together with our know-how creates enormous value for our shareholders.

It is important to understand that our growing patent portfolio now includes allowed U.S. claims covering many of Lightwave's major compounds which individually can be used in a myriad of electro-optical devices and applications among them being; spatial modulators, amplitude and phase modulators, optical limiters, and optical computers."

Dave Eaton, the company's Chief Technology Officer stated, "Our base chromophore architecture is a powerful component of our advanced next generation electro-optical polymer platform. Together with our previously announced Notice of Allowance for our unique spacer, we now have strengthened protection for the total package required for advanced electro-optic applications in telecom and optical computing applications."



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Lightwave Logic, Inc. is a development stage company that is producing prototype electro-optic demonstration devices and is moving toward commercialization of its high-activity, high-stability organic polymers for applications in electro-optical device markets. Electro-optical devices convert data from electric signals into optical signals for use in high-speed fiber-optic telecommunications systems and optical computers. Please visit the Company's website, www.lightwavelogic.com for more information.

Safe Harbor Statement

The information posted in this release may contain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. You can identify these statements by use of the words "may," "will," "should," "plans," "explores," "expects," "anticipates," "continue," "estimate," "project," "intend," and similar expressions. Forward-looking statements involve risks and uncertainties that could cause actual results to differ materially from those projected or anticipated. These risks and uncertainties include, but are not limited to, general economic and business conditions, effects of continued geopolitical unrest and regional conflicts, competition, changes in technology and methods of marketing, delays in completing various engineering and manufacturing programs, changes in customer order patterns, changes in product mix, continued success in technological advances and delivering technological innovations, shortages in components, production delays due to performance quality issues with outsourced components, and various other factors beyond the Company's control.