

Banpil Photonics, Inc. granted core patent for nano-enabled Hybrid Photovoltaic Device

SANTA CLARA, California – December 15, 2011 - Banpil Photonics, Inc., a leading company expanding tomorrow's technology through innovations in optics and electronics, today announced that the United States Patent and Trademark Office has granted it a new core patent on a hybrid photovoltaic device that uses nanostructures to fabricate a new generation of significantly high-efficiency solar cells.

The innovative hybrid photovoltaic device uses nanostructures embedded in a matrix of a photosensitive material. The combination of innovative structural aspects of the hybrid photovoltaic device results in significant improvements in the collection of incident light from the solar spectrum, which enables better absorption of light, and better collection of the photo-carriers generated in response to the incident light, thereby improving efficiency of the hybrid photovoltaic device.

"The benefits of renewable energy through solar in the future of the planet's energy needs are clear and exciting," noted Banpil CEO Dr. Achyut Dutta. "Banpil's innovation with the hybrid photovoltaic device is a transformative addition to the solar industry's quest for cost-effective high-efficiency solutions that are scalable. We are very pleased and proud to offer this technology to companies ready to exploit it for their next generation solar applications."

Banpil has already demonstrated the hybrid photovoltaic device technology in its own high-efficiency solar cells. The company welcomes opportunities to work with application developers to explore new or enhanced applications including joint product development, technology licensing, and manufacturing partnerships. Banpil is also actively seeking licensees, strategic partners and investors.

About Banpil Photonics, Inc.

Banpil Photonics is expanding tomorrow's technology through innovations in optics and electronics. The company has developed an extensive IP portfolio of high-speed interconnects, multispectral image sensors, and high-efficiency photovoltaic technologies available for licensing. Banpil innovations enable the development and manufacture of next generation low-cost, high-speed electrical interconnects for chip-to-chip, chip-to-board, board-to-board, and rack-to-rack applications; multispectral image sensors for automotive & medical imaging, mobile, security, remote-sensing, and communication applications; and photovoltaic technology for solar cell applications. For more information, visit www.banpil.com.

CONTACT: Dr. Achyut Dutta, Banpil Photonics, +1-408-282-3628, adutta@banpil.com