

Applied DNA Sciences Secures Laser Toners

STONY BROOK, N.Y., April 20, 2009 /Market Wire/ -- Applied DNA Sciences, Inc. (OTC Bulletin Board: APDN), a provider of DNA-based security solutions, announced today that it has developed a patent-pending system to help mitigate loss of revenue, product recalls and compromised warranties caused by toxic supply chains. It has previously filed a patent to cover its proprietary system and methods for [secure document](#) printing and detection of cartridges and laser toners that have been counterfeited or diverted to a secondary, grey market.

Harold Schofield, Schofield Imaging Associates, "Fighting back against counterfeiters is a win-win situation for manufacturers, businesses and ultimately the consumer. By protecting the toner and the cartridge itself with DNA, you have a much better chance of authenticating a genuine product from a fake. This makes it an ideal solution for protecting brand integrity and performance in commercial and consumer usage."

SigNature® DNA is infinitely variable. Specific DNA sequences can be used to mark the outside of the toner cartridge or the toner powder itself.

- **Limits the infiltration of illegal toners into re-manufactured cartridges** - Imaging Supplies Coalition estimates that fake ink and toner cartridges resulted in a \$2 billion loss to its member companies in 2003 (including Brother, Canon, Epson, Hewlett-Packard, Samsung, Lexmark, Oki Data, Toshiba, and Xerox).
- **Securing the Cartridge** - use security marks with DNA on the outside of the cartridge to help prevent illegally re-manufactured cartridges from entering the marketplace.
- **Help Protect Printer Devices** – against the use of illegal cartridges that force repairs and invalidate warranties.
- **Enhance Safeguarding of Retailers and Manufacturers** – against the infiltration of illegal cartridges into the supply chain.
- **Empowering Consumers, Corporations, and Governments alike** - to print secure documents that can be traced to a single, specific toner cartridge.

Dr. Benjamin Liang, Chief Technology Officer, stated, "SigNature DNA persists in toner ink and also after it is printed on paper. It does not alter the quality of the ink or printed material. We can authenticate our DNA from laser ink in a non-destructive manner."

SigNature DNA in Laser Printed Documents

With the dawn of the information age came the ability to duplicate, change, alter and distribute virtually any printed document at little or no cost. Measures to defend against counterfeited documents are being taken by many corporations, but until now, there has been no comprehensive, systematic and cost effective solution to prevent counterfeiting or diversion.

“DNA can be used to provide a singular identifier that can be used to mark extremely valuable documents,” stated Dr. James Hayward, CEO, APDN. “With DNA in laser toner, a conventional printer can now be used as an affordable method to print any secure document. Wills, stock certificates, birth certificates, and even official government documents such as social security cards can benefit from DNA.”

Portfolio of DNA Security Inks

This invention extends APDN’s growing body of work in the protection of secure documents and expands upon its successes with security inks, including: intaglio, inkjet, thermal transfer, UV-curable, screen printed, flexographic and offset printed inks.

APDN is soliciting commercial partners and will officially unveil its Signature DNA in Toner success at IMI’s 12th Annual Toner Conference in Phoenix, Arizona, May 4-6, 2009, and 20th Annual Thermal Conference in Orlando, Florida, May 11-13, 2009 (www.imiconf.com).

About APDN

APDN sells patented DNA security solutions to protect products, brands and intellectual property from counterfeiting and diversion. SigNature DNA is a botanical mark used to authenticate products in a unique manner that essentially cannot be copied. APDN also provides BioMaterial GenoTyping™ by detecting genomic DNA in natural materials to authenticate finished products. Both technologies protect brands and products in a wide range of industries and provide a forensic chain of evidence that can be used to prosecute perpetrators. To learn more, go to (www.adnas.com).

The statements made by APDN may be forward-looking in nature and are made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Forward-looking statements describe APDN’s future plans, projections, strategies and expectations, and are based on assumptions and involve a number of risks and uncertainties, many of which are beyond the control of APDN. Actual results could differ materially from those projected due to our short operating history, limited financial resources, limited market acceptance, market competition and various other factors detailed from time to time in APDN’s SEC reports and filings, including our Annual Report on Form 10-K, filed on December 16, 2008 and our subsequent quarterly reports on Form 10-Q. APDN undertakes no obligation to update publicly any forward-looking statements to reflect new information, events or circumstances after the date hereof to reflect the occurrence of unanticipated events.

SOURCE Applied DNA Sciences, Inc.

INVESTOR CONTACT: Debbie Bailey, 631-444-8090, fax: 631-444-8848

MEDIA CONTACT: Janice Meraglia, 631-444-6293, fax: 631-444-8848

FCMN Contact: info@adnas.com

Web site: <http://www.adnas.com>