



PRESS RELEASE

Nanogate AG is granted another basic patent in optics technology

Use of Dotfarm® Optics technology platform in displays of all kinds and various high-performance optics

Saarbrücken, 24 September 2007. Nanogate AG (ISIN DE 000A0JKHC9) is strengthening with a new international basic patent the marketing potential of its Dotfarm® Optics technology platform. The company now plans to address other high-volume, high-margin markets in addition to the flatscreen segment. Nanostructured coatings can improve existing products or simply the manufacturing process.

The newly granted basic patent covers a wide range of uses for nanostructured coatings on principally all transparent components made of, for instance, glass or plastic. The patent is already in force in all European countries and is to be registered all over the world in the months ahead, including in Japan, Korea and the United States. The new Nanogate Dotfarm® Optics technology can be used, for example, on displays of all kinds and sizes, light-emitting diodes, sensors or fibreglass-based applications and also offers long-term opportunities in security technology. Nanogate was granted a first international patent for the use of Dotfarm® Optics in new kinds of optical systems for background illumination of LCD flatscreens back in May. Nanogate expects further patents to be granted in the months ahead.

Nanogate AG CEO Ralf Zastrau said, "Dotfarm® Optics is a key technology that enables Nanogate to realise complex, high-margin applications in large markets. With the new basic patent we can improve our marketing opportunities considerably and enhance the value of our technology portfolio. The long-term earnings potential of this technology runs well into double-digit millions." Initial



discussions on international marketing and possible pilot applications are already being held.

In Dotfarm[®] Optics Nanogate has developed a fundamentally new optical process. Nanostructured surfaces are generated in combination with special nanocomposite materials and new physical nanoimprint processes. Using these enhanced optical surfaces, more efficient, miniaturised light channelling can be realised that is highly functional, more effective and very economical to produce.

Queries? Please feel free to contact:

Christian Dose (Financial press)
equinet Communications AG
Tel.: +49 (0)69 5899-7302
communications@equinet-ag.de

Klaus Reuning (Business and trade press)
MPW FINANCE
Public & Investor Relations GmbH
Tel. +49 (0)69 959 290-0
nanogate@mpwfinance.com

Nanogate AG
Gewerbepark Eschbergerweg
D-66121 Saarbrücken
www.nanogate.com

Nanogate AG:

Nanogate is a leading international enabler in the nanotechnology growth market and so opens the gate to nanotechnology for its customers. The Saarbrücken-based firm enables the programming and integration of additional properties such as non-stick, anti-bacterial, anti-corrosive, ultra-low friction. Nanogate thereby gains a competitive edge for its customers by product refinement using chemical nanotechnology. Nanogate covers a wide range of industries, functions and substrates already on the basis of technology platforms. The company thus provides a decisive interface for the commercialisation of chemical nanotechnology, bridges the gap between raw materials and their industrial conversion into products and concentrates as an enabler on one of the most attractive segments in the industry. As a partner in innovation, Nanogate provides many services along the value chain – from development and production of innovative nanocomposites and nanostructured materials to powerful support for innovation and product integration.

The Nanogate Group currently has 57 employees in all (as of 1 July 2007) and since commencing operations in 1999 has been a pioneer in nanotechnology. Nanogate is a high-growth company and has operated profitably since financial year 2004. In financial year 2006 it boosted consolidated sales by about 64% to around €7.84 million. Consolidated earnings before interest and taxes (EBIT) to IFRS increased by about 220% to around €1.1 million in 2006. The company has first-class customer references, such as ABB, BSH Bosch-Siemens Hausgeräte, Giesecke & Devrient, Kärcher and Koenig & Bauer AG, and many years' experience of different industries and applications. It has also entered into strategic cooperation with US companies Dow Corning and Ceradyne/ESK



Ceramics and Authentix and with Giesecke & Devrient. The Group's consolidation entity includes Nanogate Advanced Materials GmbH, which specialises in safety engineering and optics and is a joint venture with the US Air Products group. Nanogate also holds a stake in HOLMENKOL Sport-Technologies GmbH & Co. KG.

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