



FOR IMMEDIATE RELEASE: Tuesday, March 24, 2015

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ShayoNano Granted Patents for Nanomaterials
Process for Synthesis of Clay Particles

Cleveland, Ohio: ShayoNano Pte Ltd today announced that patents based on PCT/SG2008/000080 - "Process for Synthesis of Clay Particles" - have been granted in Singapore. Patents based on PCT/SG2008/000080 have also been granted in Malaysia, Russia and Australia. Patents are expected to be granted in other countries shortly.

The granted patents relate to an invention which, according to the abstract, is "a process for synthesizing clay particles comprising the step of heating a reactant solution mixture of metal salt and a metal silicate using a radiation source under conditions to form said synthetic clay particles."

"We are very excited to have this patent granted in several countries," says Mahesh Patel, CEO of ShayoNano. "Having the grant of these patents to ShayoNano confirms the robustness of our technology." Patel also shared that the invention, as granted in various countries, is "enabling". A few of the products that ShayoNano is producing are:

- SmartHide™, an opacifying agent which helps paint companies to enhance the quality of paint while sharply reducing the amount of expensive titanium dioxide (TiO₂) that must be used.
- A fire-retardant that is halogen-free with lower loading rates to save money.
- Several products that enhance plastics by improving UV protection, for example, and an additive that improves the color fastness of organic dyes, allowing organic colorants to be used more extensively.

About ShayoNano

ShayoNano manufactures nanomaterials using its unique, patented technology to precisely and economically synthesize additives that improve the profitability and performance of the products in which they are used. ShayoNano possesses a powerful combination of vision, technical expertise and delivery capabilities and has established a state-of-the-art facility for product research and development.

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