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Announcement: US Patent Office program to expedite Green Technologies

WASHINGTON DC, December 7, 2009. Michael Sykes, a Youngsville North Carolina inventor, has spent his 25 year career designing and perfecting energy self-sufficient homes, innovative renewable building materials, and solar electric cars. In the course of this he had to write equations defining and naming a new energy unit- Enertia, and pioneered a new technology- Natural Phase Change Materials. The techniques he used in the 1980's are now called Bio-mimicry, Bio-energy, and Carbon-Sequestration. You can find his name and his technologies in Environmental Science Textbooks.

Sykes often speaks at Small Business Seminars, and other Patent Office functions, representing the Independent Inventor. Like Small Business- which creates most of the jobs in America, Independent Inventors (like Steve Jobs and Steve Wozniak) create the world-changing technologies. Independent Inventors are a different breed from Corporate or Academic inventors. Its not "just a job." Often just the challenge of solving a problem is the motivation. An independent inventor may simply sit-on and not reveal his solution if the economic conditions are not right, or the patent application takes too long. Speeding up this process is one way to bring new energy technologies to the market place.

ENERTIA® HOMES (US Patents 4,621,614 and 6,933,016 and US Trademark 1,429,242)

In the early 1980's the phenomena called "The Greenhouse Effect" became widely known. Michael Sykes reasoned this effect, supposedly warming earth, could be used to warm a house. His invention was a house surrounded by a small atmosphere, like Earth's, that was heated by the sun. Natural convection, like the Earth's trade-winds, distributed the energy. The process could be reversed in Summer for natural cooling. The technology won the US Department of Energy Innovation Award in 1987 and in 1999 was named the "Most Innovative House of the Twentieth Century." Builders Trade Journal

called the North Carolina invention "as significant as the flight of the first airplane in Kitty Hawk." In 2007 the Enertia Building System was the Grand Prize winner in the Invent-Now Challenge and the award was presented by Steve Wozniak. Enertia® Homes were named a Modern Marvel. A model of Sykes' invention went on exhibit that summer at the US Patent Office in Alexandria, VA. There are now Enertia

Homes in 25 states. Some are totally off-grid and Zero Energy. www.EnergyWithoutOil.org



GREEN BUILDING BLOCKS® (US Patent 6,933,016 and US Trademark 3,487,414)

Sykes realized that the pine timbers used in his homes were storing energy like a thermal battery. He envisioned a new basic building material- universal building blocks that provided both the structure and the heating/cooling.

Most American homes use wood, a renewable building material, but use very little of it in the frame- the bulk of the home is synthetic, oil-based, or mineral. In the new system the entire wall would be laminated solid wood



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blocks, up to 16 feet long, that interlock to form the structure and sequester tons of carbon for hundreds of years. The blocks can be made from new tree-farmed wood, or recycled lumber, or even the debris from hurricanes- to rebuild the homes the hurricane destroyed.

<http://www.lifecyclebuilding.org/2007/gallery-detail.php?EntryID=65>

ENERTIA VEHICLES™

Because Enertia Homes are so energy efficient there is usually surplus photovoltaic power left to charge a vehicle. In the 1970's Michael Sykes developed new diesel electric drive trains for locomotives. This technology- you have heard the ads about locomotives carrying a ton of freight 436 miles on a gallon of fuel- is adapted to automobiles. The first, the Enertia E-Vanti, can also use fuel made, on site, with a in-house Bio-Diesel generator. www.EnertiaMotors.com



All these inventions have resulted in sub-sets of technology: Thermal Inertia, Phase Change, Nano-altering of materials, co-generation in vehicles. These are promising areas yet to be explored, and given an incentive, most Independent Inventors will plough their profits right back into "The Next Big One."

For more information contact Michael Sykes at enertia@mindspring.com or at 919-556-2391.

SOURCES AND FURTHER READING

Environmental Science / Third (and subsequent) Editions by G. Tyler Miller, Jr.

Independent Inventors conference: http://www.rethinkip.com/rssmojo/archives/12th_annual_independent_inventors_conference_comes_to_raleigh_nc_11sep2007.html

Patent Office exhibit: <http://www.uspto.gov/news/pr/2007/07-18.jsp>

Modern Marvels Winners: http://www.rethinkip.com/rssmojo/archives/modern_marvels_invent_now_winner_announced.html

See the science behind the Enertia® Home at www.EnergyWithoutOil.org

See an Enertia® Home in Colorado at: http://www.vaildaily.com/article/20071020/VAIL_REAL_ESTATE02/71019088

See how Green Building Blocks® were inspired on NPR's Science Friday at: <http://www.sciencefriday.com/videos/watch/10007>

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