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## Synthesis of Effective Carbon Nanoreinforcements for Structural Applications

*\*Point of entry  
OEM*

Non-Provisional Patent Application: 14/669,378

UHID: 2014-015

**Technology Description:** This technology involves the development of carbon fibers that are effective reinforcement for composites. The main source is comprised of carbon waste and/or byproducts (e.g. soot). The processing methods used in this technology are green with a strong contribution to carbon footprint reduction. The fibers help improving mechanical properties of composites with matrices of: polymer, metal, ceramic, carbon, etc. The properties that have demonstrated improvement with the matrices mentioned are: mechanical, electrical, optical, etc.

**Potential Applications:** Concrete, plastics, polymers, sports, oil and gas (soot recycling), ceramics, automotive

**Time to market:** This has to be determined. The eventers have never used this product for actual applications. Their tests have been, so far, purely experimental. Nevertheless, they believe that this can be extrapolated into an industrial set up relatively easily.

