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Singapore: Dehaier Medical Systems, an emerging leader in the development, assembly, marketing and sale of medical devices and homecare medical products in China, has co-developed "High-Efficiency Oxygen Inhaler" with Dr Ding Jianzhang of Beijing Haidian Hospital. The inhaler is expected to begin selling in the third quarter of 2012 in China.

The portable device is designed for use in homecare oxygen therapy, emergency treatment, disaster relief activities and high-altitude settings.

Dr Ding Jianzhang, the author of "Oxygen Therapeutics & Health", has over 30 years experience, specializing in hyperbaric oxygen treatment. In 2003, he received a patent for an atmospheric oxygen therapy mask. Dehaier obtained an exclusive license to Dr Ding's patent and has re-designed, developed and used this patent to create the High-Efficiency Oxygen Inhaler.

The inhaler is portable and provides instantaneous high volume oxygen delivery, while also reducing waste through its uniquely triggered oxygen conveying system. The system supplies oxygen volume automatically according to patient lung capacity and delivers oxygen only on inhalation. The company is going to apply for a patent on its design and technology at the China Patent and Trademark office.

Dehaier Medical's CEO Mr Ping Chen said, "We continue to devote our research and development efforts toward markets where we feel there is a distinct need. After a thorough review, we felt that a portable and efficient solution for individuals with severe oxygenation failure or cerebrovascular disease (blood circulation to the brain) would improve their standard of living and fill a distinct niche in China's medical homecare market. In addition, we expect that our new inhaler will be attractive to athletes, such as mountain climbers, emergency rescue personnel and others who need portable and convenient oxygen solutions. We are proud to provide the state of art High-Efficiency Oxygen Inhaler to the market, which again represents our business growth strategy of diversifying sales through shifting focus to homecare medical segment and enriching the product line of home oxygen therapy services. We look forward to realizing considerable sales from the product in near future."