



US Patent issued for BDR's ceramic membrane reactor technology for the production of biofuels

OTTAWA, Ontario, February 5, 2013 --- BioDiesel Reactor (BDR) Technologies Inc. announced today that US Patent No. 8,366,794 entitled "Apparatus and Method for Biofuel Production" has issued. The patent covers the commercial application of BDR's ceramic membrane reactor technology for the production of biodiesel and Fatty Acid Acyl Esters (FAAE). The patent includes 22 claims and was granted with a 1081 day patent term extension.

According to Ken Lawless, CEO of BDR Technologies, "The U.S. patent extends intellectual property protection for BDR's membrane reactor technology into the world's second largest biodiesel market. We believe our technology will play a critical role in ensuring that biodiesel producers meet and exceed new stringent fuel quality standards and at the same time improve their profitability by reducing feedstock pre-treatment requirements, improving yields and lowering operating costs".

BDR's technology is compatible with existing conventional plant technologies and can be used for: (1) new plants; or (2) to retrofit existing plants to make them compliant with new quality standards and to improve profitability. The technology can be used to convert virgin oils (e.g. soy, canola, rapeseed), high free fatty acid containing feedstock (e.g. used cooking oils, yellow grease, waste corn oil, Jatropha) as well as next generation feedstocks (e.g. algae oils) into biodiesel. The company's technology also has application in the Omega-3 supplements industry.

The inventors on the patent are Dr. Andre Tremblay and Dr. Marc Dube of the University of Ottawa, which have granted to BDR an exclusive world-wide license to the technology. Patents relating to this technology have already issued in Singapore, Malaysia and China and are pending in South America, EU, Canada and other parts of Asia.

Commercialization of this technology has been supported by [Sustainable Development Technologies \(SDTC\)](#), [Sustainable Chemistry Alliance \(SCA\)](#) and [Ontario's Innovation Demonstration Fund](#).

ABOUT BDR TECHNOLOGIES

BioDiesel Reactor Technologies Inc. (BDR) is an Ottawa-based clean energy technology company that provides innovative capital efficient process technology solutions for plant operators in the multi-billion dollar global biodiesel industry.

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