

# Offering-Patents and Technology--Aviation Biofuels

## ***Products***

The patent assets relate to processes used for the production of biofuels and biofuel additives. Biofuels are an emerging technology in the renewable energy industry, which is being driven by the high and erratic prices of products related to fossil fuel feedstocks and an effort to reduce greenhouse gases. The patents relate to processes to manufacture biofuels and biofuel additives over a variable range of molecular weights and suitable as fuels for many different modes of transportation, with a special emphasis on aviation.

## ***Background***

In 2011, studies were completed which demonstrated that biofuels could be used as a component of the fuel used in jet engines, for both commercial and military use. Since that time, the global aviation industry has been expanding the relationships with biofuel producers and aviation represents one of the key biofuel application market segments. This is particularly true in the U.S.

## ***Asset Details***

Two issued U.S. patents having priority dates in 2005. Also, knowhow associated with the patented technology is available from the inventor, David Bradin. The technology involves innovative chemical reactions to produce jet biofuels.

## ***Marketplace***

In recent years there has been surging demand for renewables, directed at blunting the impact of high fossil fuel prices and reducing the impact of greenhouse gas products likely related to global warming. The U.S. has been the global leader in consumption of renewable energy and also the leader in biofuel production. One of the most visible areas of biofuel application to transportation is related to aviation, which was technically qualified in 2011. The FAA has since created a target usage of 1 billion gallons of sustainable jet biofuel by 2018, which is 5% of the predicted consumption. And the IATA has tracked the airlines and their steady progress in meeting and exceeding the goal.

## ***Inventor***

David Bradin is an organic chemist and a patent lawyer. He has degrees in chemistry and organic chemistry from Wittenberg and Ohio State. He worked as a synthetic organic chemist, research chemist and adjunct professor of chemistry prior to receiving his law degree from Rutgers Law School and being registered to practice before the USPTO. Since 1995, David has obtained several patents in the biofuels and bioplastics spaces and won a synthetic challenge on Innocentive.com for his improved synthesis of butane tetracarboxylic acid. He has focused his inventive efforts on renewable fuels for over 10 years.

## ***Sales Package***

The offered patents are subject to no encumbrances. This is a rare opportunity to acquire patents in an emerging and critical technology space, which will continue to show robust growth for many years to come. A Sales Package is available which provides substantially more information on all of the above topics.



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