

# **BIORENEWABLE SYNTHESIS OF HYDROXY-HEXANOATE ESTERS**

### WARF: P220200US02

Inventors: George Huber, Marco Nazareno Dell Anna

### The Invention

UW-Madison researchers have developed a method to synthesize a series of flavoring agents (a group of hexanoate esters) which possess odors such as fruity, grape, burnt wood, hay, pineapple, cranberry, or woody. The synthetic route comes directly from biomass derived glucose and through an intermediate called triacetic acid lactone (TAL). This chemical conversion of TAL leads to the selective formation of hydroxy hexanoate esters and proceeds with just two conversion steps, which can facilitate the production of the flavoring agents.

## Additional Information

### For More Information About the Inventors

George Huber

#### **Tech Fields**

<u>Clean Technology : Biobased & renewable chemicals & fuels</u>

For current licensing status, please contact Jennifer Gottwald at jennifer@warf.org or 608-960-9854

We use cookies on this site to enhance your experience and improve our marketing efforts. By continuing to browse without changing your browser settings to block or delete cookies, you agree to the storing of cookies and related technologies on your device. See our privacy policy

