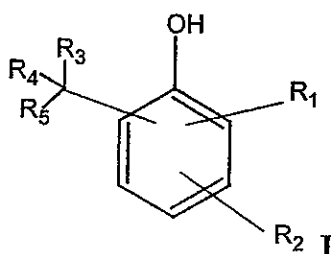


ABSTRACT

METHOD OF INCREASING THE OXIDATION STABILITY OF BIODIESEL

The invention relates to a method of increasing the oxidation stability of biodiesel, which comprises adding a primary antioxidant having a melting point of less than or equal to 40°C to the biodiesel to be stabilized in an amount of from 10 to 20 000 ppm (w/w), where the primary antioxidant comprises at least one compound having the structure



where:

R_1, R_2 = hydrogen, a linear alkyl group having from 1 to 20 carbon atoms or



*, where * is a carbon atom of the aromatic ring system,

R_3, R_5 = hydrogen, a linear alkyl group having from 1 to 20 carbon atoms,

R_4 = hydrogen, a linear alkyl group having from 1 to 40 carbon atoms,

where both the substituents of the type R_1 and R_2 and those of the type R_3 and R_5 are in each case identical or different.