

ABSTRACT

METHOD OF ENHANCING THE OPERATION OF A DIESEL FUEL COMBUSTION AFTER TREATMENT SYSTEM

A method of enhancing the operation of an emission after treatment system in a combustion system includes supplying a fuel and additive that includes a manganese compound to a combustion system. The fuel is then combusted in the combustion chamber to produce at least one byproduct including the manganese compound. The manganese compound is supplied in an amount effective to complex with the combustion byproduct. The combustion system may include a catalyzed, or alternatively, a continuously regenerating technology, diesel particulate filter.