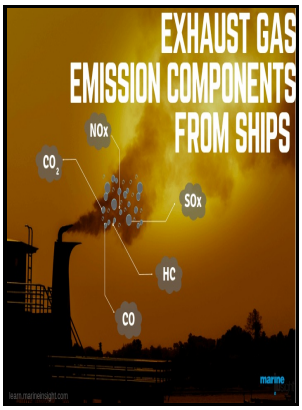
Emissions from a gas-burning pulse combustor

Middlesex University - Method to decrease combustor emissions



Description: -
-Emissions from a gas-burning pulse combustor
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Notes: Thesis submitted in partial fulfilment of the requirements for the degree of Doctor of Philosophy.
This edition was published in 1993

Filesize: 53.69 MB

Tags: #Pulse #combustion: #recent #applications #and #research #issues

Air Emissions from MSW Combustion Facilities

As engine 10 is increased in power from idle to part-power operations, fuel flow to pilot mixer 42 is increased.

Gas Turbine Combustor Concepts For Low Pollutant Emissions

The obstacle to commercially viable pulse combustion worldwide has been that, until now, no-one could find a way to keep a pulsing flame burning at low levels where pulse combustion offers both great heat output and reduced energy consumption.

Emissions Formation In Gas Turbine Combustors

Additionally, orifices located along wall 104 inject fuel radially inward both upstream and downstream of a venturi throat 107. Effects of Fuel Aromatic Content on Nonvolatile Particulate Emissions of an In-Production Aircraft Gas Turbine. At idle, the outer mixer is fueled, which is designed to operate efficiently at idle conditions.

First of its kind emissions

This occurs due to the recirculation of the burnt products, which move upstream — towards the fuel spray — where local pockets of fuel vapour are enclosed in oxygen-deficient gases at high temperature.

Related Books

- Secret of Pocomoke
- Chūgoku minzoku seisaku no kenkyū
- Ouvéa - histoire dune mission catholique dans le Pacifique sud au XIXe siècle
- Operations, applications, and components, 2001 - presented at the 2001 ASME Pressure Vessels and Pip
- Isaac Jogues.