

Combustion Control Solutions

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spark-ignition internal combustion engines, knocking (also knock, detonation, spark knock, pinging or pinking) occurs when combustion of some of the air/fuel... 17 KB (2,286 words) - 13:14, 25 January 2024

internal combustion engine (ICE or IC engine) is a heat engine in which the combustion of a fuel occurs with an oxidizer (usually air) in a combustion chamber... 98 KB (12,885 words) - 09:04, 6 March 2024

internal combustion engine vehicle (HICEV) is a type of hydrogen vehicle using an internal combustion engine. Hydrogen internal combustion engine vehicles... 29 KB (3,283 words) - 06:36, 25 January 2024

chemical forms derived from coal combustion methods and emission controls: Fly ash is captured after coal combustion by filters (bag houses), electrostatic... 78 KB (9,115 words) - 07:43, 17 March 2024

Compound Vortex Controlled Combustion (Japanese: **複渦制御燃焼**, Fukugō Uzuryō Chōmō Nenshō Hōshiki) an internal combustion engine technology... 13 KB (1,041 words) - 00:36, 29 October 2023

converter is an exhaust emission control device which converts toxic gases and pollutants in exhaust gas from an internal combustion engine into less-toxic pollutants... 55 KB (6,625 words) - 19:08, 11 March 2024

into several different locations: the combustion process, the flue gas duct (ahead of the particulate control device), or an open reaction chamber (if... 15 KB (1,859 words) - 23:11, 26 September 2023

Combustion instabilities are physical phenomena occurring in a reacting flow (e.g., a flame) in which some perturbations, even very small ones, grow and... 17 KB (2,133 words) - 16:14, 14 May 2022

Hydrogen cyanide is produced by adding acid to a solution containing a cyanide salt. Alkaline solutions of cyanide are safer to use because they do not... 34 KB (3,847 words) - 14:51, 14 March 2024

detection and alarm business Fireeye, a provider of flame safeguard controls; combustion controls The former GE Security business, a fire and security systems... 10 KB (710 words) - 05:22, 28 January 2024

highly coloured, electrically conductive solutions containing solvated electrons. Apart from these remarkable solutions, much of the chemistry in liquid ammonia... 139 KB (15,169 words) - 03:47, 12 March 2024

A four-stroke (also four-cycle) engine is an internal combustion (IC) engine in which the piston completes four separate strokes while turning the crankshaft... 28 KB (3,628 words) - 22:50, 11 March 2024

burn air-to-fuel ratio (over-stoichiometric ratio) to ensure the full combustion of soot and to prevent them from exhausting unburnt fuel. The excess air... 21 KB (2,267 words) - 20:22, 11 March 2024

venture between Shell Global Solutions and Paques. Incineration Scrubber Flue-gas emissions from fossil-fuel combustion Flue-gas stacks Wellman–Lord process... 29 KB (3,696 words) - 03:24, 13 March 2024

Combustion models for CFD refers to combustion models for computational fluid dynamics. Combustion is defined as a chemical reaction in which a hydrocarbon... 10 KB (1,349 words) - 01:54, 9 February 2024

hobbies, e.g. Top Fuel drag racing and miniature internal combustion engines in radio control, control line and free flight model aircraft. Nitromethane is... 20 KB (2,028 words) - 01:38, 7 February 2024
(Fernlenkboote) against coastal shipping. These were driven by internal combustion engines and controlled remotely from a shore station through several miles of wire... 37 KB (4,495 words) - 10:46, 16 March 2024

much like diammonium phosphate. As a flame retardant, it increases the combustion temperature of the material, decreases maximum weight loss rates, and... 19 KB (1,775 words) - 14:52, 24 January 2024

A stratified charge engine describes a certain type of internal combustion engine, usually spark ignition (SI) engine that can be used in trucks, automobiles... 15 KB (2,129 words) - 11:40, 5 December 2023

Pressure gain combustion (PGC) is the unsteady state process used in gas turbines in which gas expansion caused by heat release is constrained. First developed... 20 KB (2,195 words) - 16:13, 20 November 2023