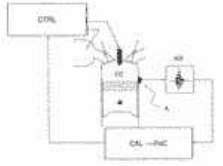
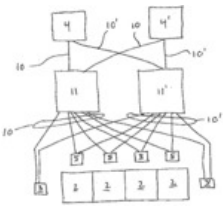
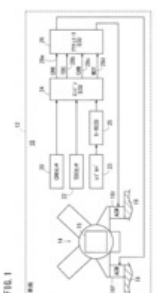
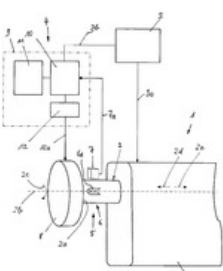


4 results for 18 and acquisition - Collection: FAMPAT

#	  Title	Publication number	Publ. date	Applicant/Assignee	
1.	Method for real-time estimation of engine combustion parameters from vibratory signals	EP1994390	2008-11-26	 IPF ENERGIES NOUVELLES	
The invention concerns a method for real time estimation of combustion engine parameters from vibratory signals. It consists in continuously acquiring, from a vibration sensor, and based on a crankshaft angle a vibratory signal representing the vibrations of the engine; real time filtering of said vibratory signal, and estimating in real time the coefficients of the Fourier decomposition of the acquired vibratory signal, by reversing the dynamics of the filter used; finally, from said coefficients, estimating in real time the combustion parameters enabling the combustion to be qualified. The invention is useful for controlling combustion of an internal combustion engine.					
2.	Method and system for controlling internal combustion engine	JP2012225338	2012-11-15	 MAN DIESEL	
PROBLEM TO BE SOLVED: To provide a method for controlling the execution of the operation event of a multi-cylinder internal combustion engine according to a control parameter varying with time during each rotation of the multi-cylinder internal combustion engine. SOLUTION: This method includes a step of catching the instantaneous value of the control parameter, a step of transmitting the instantaneous value of the control parameter to a control unit as a digital control parameter signal, and a step of compensating a deviation from a real-time transmission by including the compensation data in a data message and by calculating the estimated value of the control parameter at the interval between the receptions of continuous data messages by the control unit. The calculation is executed from the caught instantaneous value of the control parameter and the time difference between the time of the moment when the instantaneous value of the control parameter is caught and the reception time of the data message. COPYRIGHT: (C)2013,JPO&INPIT					
3.	Control unit for active type vibration control support device	JP2014156892	2014-08-28	 HONDA MOTOR	
PROBLEM TO BE SOLVED: To provide a control unit for an active type vibration control support device, capable of improving accuracy of a timing of vibration suppression control. SOLUTION: In a control unit 10, when an engine 14 stops, starts, or restarts its operation, an actuator ECU 26 corrects a crank angle based on a CRK pulse signal from a CRK sensor 20 by using a resolver signal from a resolver 23. When the corrected crank angle reaches a control start crank angle, the actuator ECU 26 starts vibration suppression control by an actuator. COPYRIGHT: (C)2014,JPO&INPIT					
4.	Method for the active damping of vibrations of a shaft of a machine, in particular a piston, and a corresponding arrangement for carrying out the method	DE102014111404	2016-02-11	 HASSE & WREDE	
Method for actively damping vibrations of a shaft of a machine, particularly a (2) piston (1), comprising the steps of: (S1) detecting input data by measuring oscillation-relevant parameters of the shaft, in particular a crankshaft (2) of the reciprocating (1) piston engine, a measuring device (6), comprising at least one strain gauge as its sensing element (6a), the shaft, in particular a crankshaft (2) of the reciprocating (1) piston engine, thereto, side, and the operating conditions of the piston (1) engine; (S2) determining actuation data on the basis of the input data; and (S3) active damping the vibrations of the crankshaft (2) by driving a shaft, particularly the crankshaft (2) of the reciprocating (1) machine, driven by the actuator (8) with the determined driving data, characteristic in, in the step (S2) determining actuation data for rotational vibrations the for torsional vibrations associated continuum differential equation and for translatory vibrations for translational oscillations with corresponding continuum differential equations.					