

# Automotive Dashboard Screenshots

## Key aspects of the Automotive Dashboard

**Dolcera Dynamic Dashboard** ALLOWS US TO FILTER

**Updates**

- All Items
- Initial data load
- Data update

**Summary Information - Initial data load**

Information Area	Total (Ours)	US Gran
Automotive Engines - Demo	370 (0)	0 (0)
Automotive Windshields - Demo	42 (0)	0 (0)

Exports patent data to a downloadable excel sheet

**FIRST PAGE**

THIS SECTION CONTAINS UPDATES MADE TO THE CONTENTS OF THE DASHBOARD AT ALL PRE-DEFINED TIME INTERVALS



## Data Filters

### Car Engine (370)

- Fuel Filter (1)
- Exhaust Processing (59)
- Valves (5)
- Heating Circuit (1)
- Mounting and Attaching (7)
- Ignition Control (23)
- Throttle (3)
- Design (0)
- Cooling (32)
- Air-Fuel Control (63)

**THIS SECTION  
ALLOWS US TO  
FILTER DATA  
INTO VARIOUS  
CATEGORIES**

### ALL COMPANIES (370)

- Audi Nsu Auto Union Ag (3)
- Bayerische Motoren Werke Ag (1)
- Daihatsu Motor Co. (10)
- Daimler Benz Ag (1)
- Daimler Chrysler Ag (6)
- Denso Corp (8)
- Ford Global Tech (1)
- Ford Motor (1)
- Hitachi (29)
- Honda Motor Co Ltd (50)
- Isuzu Motors Ltd (1)

No Date Filter

All Patent Types

All Tags

## Information

### Patent Charts

Patents

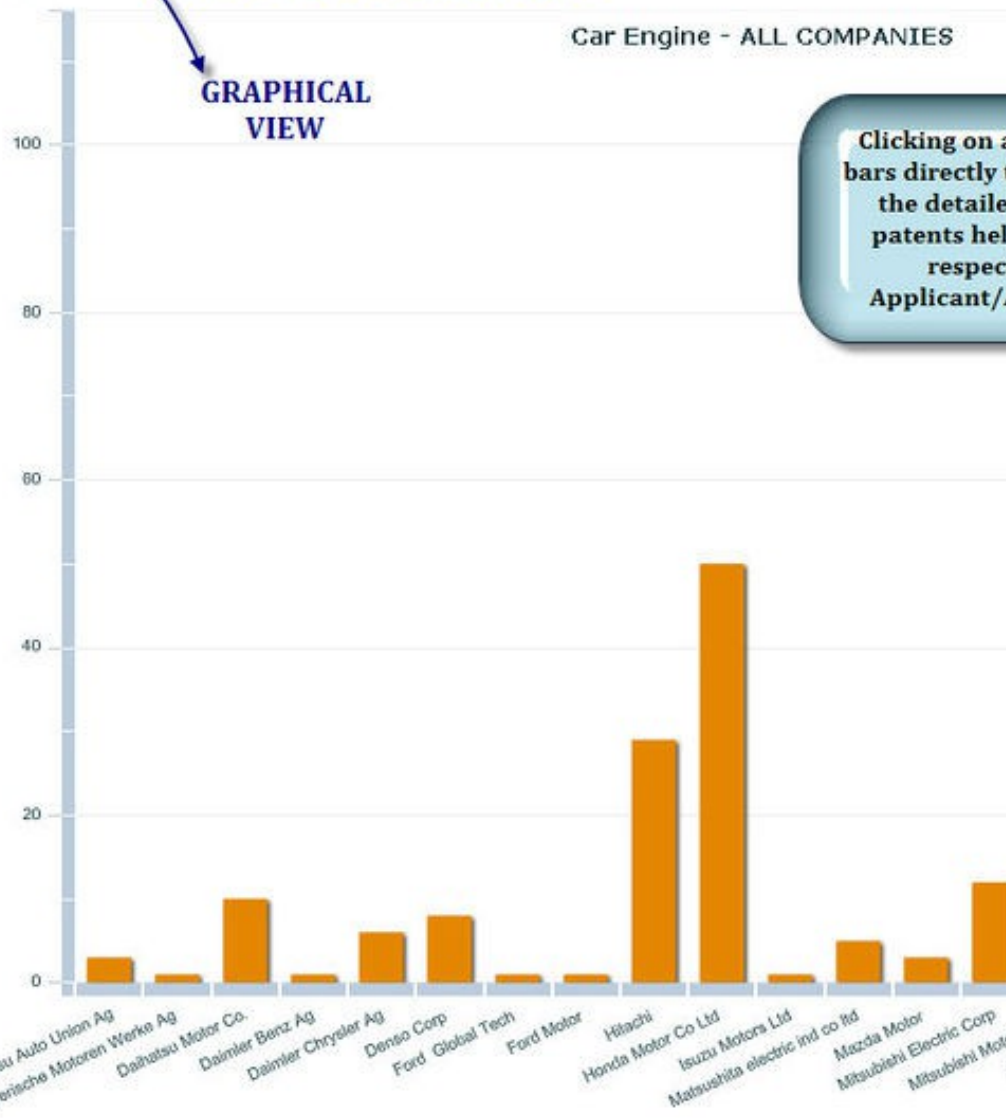


Company Statistics

Timeline by Pub Year

Timeline by App Year

Car Engine - ALL COMPANIES



Clicking on a bar directly leads to the detailed view of the patents held by that respective Applicant/



## Data Filters

- Car Engine (370)
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- Mitsubishi Motors Corp (14)
- Nippon Group Ltd (19)
- Nissan Motor (51)
- Robert Bosch Gmbh (10)
- Suzuki Motor Co. (27)
- Toyota (115)**
- Volkswagen Ag (1)
- Yamaha Motor Co Ltd (2)

No Date Filter

All Patent Types

All Tags

## Information

Patent Charts

Patents

DETAILED LIST VIEW

Publication	Title
JP58107822A	Air-fuel ratio control method of internal-combustion engine for car
JP58126446A	Deceleration control method of internal-combustion engine
EP0182034A1	Piston for internal combustion engine
CA1244263A1	Crank damper pulley structure for the internal combustion engine of a car
EP0182034B1	Piston for internal combustion engine
EP0811757A2	An apparatus for controlling auxiliary equipment driven by an internal combustion engine
EP0811757A3	An apparatus for controlling auxiliary equipment driven by an internal combustion engine
EP0859132A1	Exhaust emission control apparatus for internal combustion engine
EP0921288A1	Internal combustion engine having combustion heater
CA2262128A1	Internal combustion engine having combustion heater
EP0939210A2	Internal combustion engine having combustion heater
EP0939210A3	Internal combustion engine having combustion heater
EP0859132A4	Exhaust emission control apparatus for internal combustion engine
EP1013903A2	Exhaust emission control system of hybrid car
EP1013903A3	Exhaust emission control system of hybrid car
EP0811757B1	An apparatus for controlling auxiliary equipment driven by an internal combustion engine
EP0859132B1	Exhaust emission control apparatus for internal combustion engine
CA2262128C	Internal combustion engine having combustion heater
EP1013903B1	Exhaust emission control system of hybrid car
EP0939210B1	Internal combustion engine having combustion heater
EP0921288B1	Internal combustion engine having combustion heater

EP0939210A3

Internal combustion engine having combustion heater

Claims:  
null

US Class (primary): null

IPC Class (primary): F01P00320

Abstract:

Disclosed is an internal combustion engine having a combustion heater of

EP0939210A3

Rating:



Tags:





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All Patent Types

All Tags

Information

Patent Charts Patents

Publication	Title
JP580255204	Air-to-fuel ratio control device for internal combustion engine
JP580388	
JP580659	
JP580659	
JP580884	
JP581017	
JP581076	
JP581264	
EP01820	
CA12442	
EP01820	
EP08117	
EP08117	
EP08591	
EP09212	
CA22621	
<b>EP09392</b>	
EP09392	
EP08591	
EP10139	
EP10139	

JP52092019  
AUXILIARY

US Class (p  
IPC Class (p

Abstract:  
PURPOSE: To

JP5209201

**EP0939210A2**  
**Internal combustion engine**  
**having combustion heater**

**PULLS UP**  
**THE FIRST**  
**PAGE OF**  
**EACH PATENT**  
**DOCUMENT**


 European Patent Office  
 Office européen des brevets

(15) (11)

(12) **EUROPEAN PATENT APPLICATION**

(43) Date of publication: 01.03.1996 Bulletin 1390/96 (51) Int. Cl. 7: F02F02/00

(21) Application number: 90100411.0

(22) Date of filing: 06.02.1999

(84) Designated Contracting States: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE Designated Extension States: AL LT LV MK RO SI

(72) Inventor: Makoto Suzuki, Toyoda-3-chome, Toyota-shi, Aichi-ken, Japan

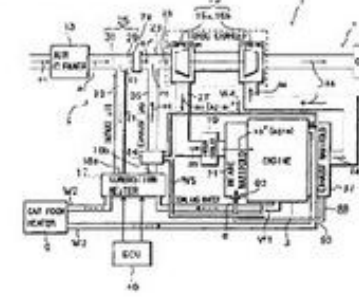
(74) Representative: Pöschmann, H. & Tiedje, C. & Co., Patentanwälte, 80336 München

(31) Priority: 27.10.1998 JP 6540996; 05.06.1999 JP 23214758

(71) Applicant: TOYOTA JIDOSHA KABUSHIKI KAISHA, Aikihon 471-8571, JP

(54) **Internal combustion engine having combustion heater**

(57) Disclosed is an internal combustion engine having a combustion heater of a type of introducing a combustion gas into an intake system, in which an air/fuel ratio is delivered from becoming rich, and HC, CO and particulate matters are to be reduced even when the internal combustion engine is combined with an SCR device. The internal combustion engine has the combustion heater provided in an intake system for speeding up warm-up of the internal combustion engine and enhancing a performance of a car room heater by guiding the combustion gas emitted from the combustor to a heater to be used for heating the intake system. The SCR device is controlled by a control device to reduce quantity of NOx and particulate matters.



EP 0 939 210 A2

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**EP0939210A3**  
**Internal combustion engine having combustion heater**

US Class (primary): null  
 IPC Class (primary): F01P00320

### Abstract:

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Claims:  
 null

**Rating Feature**

- 1
- 2
- 3

EP0939210A3 Rating: 1 ▼ Tags:



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- Ford Global Tech (1)
- Ford Motor (1)
- Hitachi (29)

## All Tags

- hjji
- peter**
- imp

peter

## Information

Patent Charts Patents ⓘ

Publication	Title
JP52001825A	Method of operation of car engine

**PULLS UP THE DOCUMENT  
TAGGED "peter"**

Tagging  
Feature

JP52001825A  
METHOD OF OPERATION OF CAR ENGINE

US Class (primary): null  
IPC Class (primary): B60K03100

Abstract:  
PURPOSE: Method of operation of car engine, utilizing characteristics of

Claims:  
null

JP52001825A Rating: 3 Tags: peter

